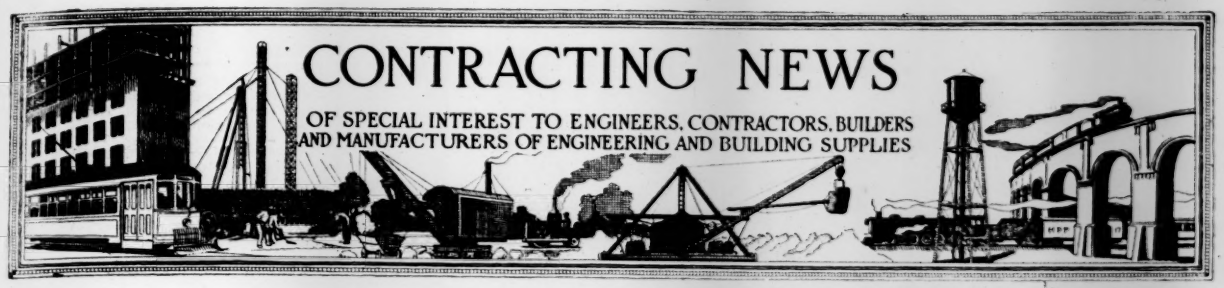
CONTRACTING NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

Proposals

For Proposals Advertised See Pages 52 to 56 Inclusive

WATER-WORKS

Bids Close		See Eng. News-Record
Aug. 25.	Girard, O.	Aug. 23
Aug. 27.	Ottawa, Ont.	Aug. 16
Aug. 27.	Otis, Colo.	Aug. 23
Aug. 29.	Monett, Mo.	Aug. 23
Aug. 30.	Cleveland, O.	Aug. 23
Aug. 30.	Ogilvie, Minn.	Aug. 23
Sept. 3.	Burlingame, Kan.	Aug. 16
Sept. 4.	Hamilton, Ont.	Aug. 16
Sept. 4.	Cumberland, Md. Adv. Aug. 9 to 23.	Aug. 9
Sept. 6.	Wolverton, Minn.	Aug. 23
Sept. 6.	Brockton, Mass. Adv. Aug. 16.	Aug. 16
Sept. 6.	Thomson, Ill. Adv. Aug. 16.	Aug. 16
Sept. 10.	Cumberland, Md. Adv. Aug. 16 and 23.	Aug. 16
Sept. 11.	New York, N. Y. Adv. July 12 to Aug. 23.	July 12
Sept. 12.	Kansas City, Mo.	Aug. 23

SEWERS

Aug. 28.	Oberlin, O.	Aug. 23
Aug. 28.	Newark, N. J.	Aug. 23
Aug. 28.	New York	Aug. 23
Aug. 29.	Long Island City, N. Y.	Aug. 23
Aug. 30.	Mora, Minn.	Aug. 16
Sept. 4.	Cumberland, Md. Adv. Aug. 9 to 23.	Aug. 9
Sept. 4.	Rocky River, O.	Aug. 23
Sept. 4.	Dodge Center, Minn.	Aug. 23
Sept. 6.	Cleveland Heights, O.	Aug. 23
Sept. 15.	Hillsboro, Ill.	Aug. 16

BRIDGES

Aug. 25.	Martinsburg, W. Va.	Aug. 9
Aug. 27.	Elberton, Ga.	Aug. 2
Aug. 27.	Camden, S. C.	Aug. 23
Aug. 27.	Indianapolis, Ind.	Aug. 23
Aug. 27.	Reading, Pa.	Aug. 23
Aug. 28.	Pawnee, Okla.	Aug. 23
Aug. 28.	Hohenwald, Tenn.	Aug. 16
Aug. 28.	Rockville, Ind. Adv. Aug. 16.	Aug. 16
Aug. 28.	Channahon, Ill. Adv. Aug. 16 and 23.	Aug. 16
Aug. 28.	St. Louis, Mo.	Aug. 23
Aug. 29.	Columbus, O. Adv. Aug. 16 and 23.	Aug. 16
Aug. 30.	Kankakee, Ill.	Aug. 2
Sept. 1.	Annapolis, Md.	Aug. 16
Sept. 1.	New Martinsburg, W. Va.	Aug. 16
Sept. 3.	Sullivan, Ind.	Aug. 23
Sept. 4.	Brazil, Ind.	Aug. 23
Sept. 4.	Montgomery, Pa. Adv. Aug. 16 and 23.	Aug. 23
Sept. 4.	Williamsport, Pa. Adv. Aug. 16 and 23.	Aug. 16
Sept. 4.	Olympia, Wash.	Aug. 23
Sept. 6.	Hiawatha, Kan.	Aug. 23
Sept. 6.	Duluth, Minn.	Aug. 23
Sept. 10.	Omaha, Neb.	Aug. 23
Sept. 10.	Akron, O.	Aug. 23
Sept. 11.	Bradentown, Fla.	Aug. 16

STREETS AND ROADS

Aug. 24.	Pennsylvania	Aug. 9
Aug. 24.	Uniontown, Pa.	Aug. 9
Aug. 24.	Lancaster, O.	Aug. 16
Aug. 25.	Indiana	Aug. 16
Aug. 25.	Morrison, Ill.	Aug. 23
Aug. 27.	California	Aug. 16
Aug. 27.	Indiana	Aug. 16
Aug. 27.	Newark, N. J.	Aug. 2
Aug. 27.	Portland, Me.	Aug. 9
Aug. 27.	New Brunswick, N. J.	Aug. 16
Aug. 27.	Elizabeth, N. J.	Aug. 16
Aug. 27.	Little Falls, N. J.	Aug. 16
Aug. 27.	Los Angeles, Cal.	Aug. 16
Aug. 27.	St. Paul, Minn.	Aug. 16
Aug. 27.	Tecumseh, Okla.	Aug. 23
Aug. 27.	Vancouver, Wash.	Aug. 23
Aug. 27.	East Dubuque, Ill.	Aug. 23
Aug. 28.	Weehawken, N. J.	Aug. 23
Aug. 28.	Farmville, Va.	Aug. 16
Aug. 28.	Massachusetts	Aug. 23
Aug. 29.	Springfield, Ill.	Aug. 23
Aug. 29.	Cleveland, O.	Aug. 23
Aug. 29.	Newark, N. J.	Aug. 23
Aug. 29.	Bridgeton, N. J.	Aug. 23
Aug. 30.	New Brunswick, N. J.	Aug. 16
Aug. 30.	Oklahoma, Okla.	Aug. 9
Aug. 30.	Indiana	Aug. 16
Aug. 30.	Kingsport, Tenn.	Aug. 16
Aug. 30.	Pennsylvania Adv. Aug. 16.	Aug. 16
Aug. 30.	Louisiana	Aug. 23
Aug. 30.	Santa Barbara, Cal.	Aug. 23
Aug. 30.	Indiana	Aug. 23
Aug. 31.	East Rutherford, N. J. (Rutherford, P. O.)	Aug. 23
Sept. 1.	Greenville, Miss.	Aug. 23
Sept. 1.	Greenfield, Ind.	Aug. 23
Sept. 1.	Scottsboro, Ala.	Aug. 16
Sept. 3.	Greenfield, O.	Aug. 23
Sept. 3.	Indiana	Aug. 23
Sept. 4.	Canton, Ill.	Aug. 23
Sept. 4.	California	Aug. 23
Sept. 4.	Maryland	Aug. 23
Sept. 4.	Indiana	Aug. 23
Sept. 4.	Seattle, Wash.	Aug. 23
Sept. 4.	Pittsburgh, Pa.	Aug. 16
Sept. 4.	Columbus, O.	Aug. 16
Sept. 4.	New Brunswick, N. J.	Aug. 16
Sept. 4.	Yazoo City, Miss.	Aug. 16
Sept. 4.	Pennsylvania Adv. Aug. 16 and 23.	Aug. 23
Sept. 4.	Toms River, N. J.	Aug. 23
Sept. 4.	Linden, N. J.	Aug. 23
Sept. 5.	Freehold, N. J.	Aug. 23
Sept. 5.	Indiana	Aug. 23
Sept. 6.	Indiana	Aug. 23
Sept. 6.	Muscatine, Ia.	Aug. 23
Sept. 7.	Indiana	Aug. 23
Sept. 19.	Seattle, Wash.	Aug. 23
Sept. 18.	Hohenwald, Tenn.	Aug. 23

RAILWAYS

Aug. 30.	Pennsylvania Adv. Aug. 16.	Aug. 16

EXCAVATION AND DREDGING

Aug. 27.	Benson, Minn.	Aug. 23
Aug. 28.	Winston-Salem, N. C.	Aug. 16
Aug. 28.	Madison, S. D.	Aug. 23
Aug. 30.	Calhoun, Ky.	Aug. 23
Aug. 30.	Detroit, Minn.	Aug. 16
Aug. 30.	Tallahassee, Fla.	Aug. 16
Aug. 31.	Willmar, Minn.	Aug. 23
Oct. 2.	St. Cloud, Minn.	Aug. 2
Sept. 6.	Thomson, Ill. Adv. Aug. 16 and 23.	Aug. 23
Sept. 8.	Madison, Minn.	Aug. 23
Sept. 12.	New Orleans, La.	Aug. 23

INDUSTRIAL WORKS

Aug. 31.	Seattle, Wash.	Aug. 16
Sept. 4.	Columbus, O.	Aug. 16

BUILDINGS

Aug. 28.	Detroit, Mich.	Aug. 2
Aug. 28.	Dike, Ia.	Aug. 16
Aug. 28.	Hudson, Wis.	Aug. 16
Aug. 28.	Columbia, S. C.	Aug. 23
Aug. 28.	Faribault, Minn.	Aug. 23
Aug. 31.	Rochester, N. Y.	Aug. 23
Aug. 30.	Conde, S. D.	Aug. 16
Aug. 30.	Columbus, O.	Aug. 16
Aug. 30.	London, O.	Aug. 16
Sept. 1.	Lincoln, Neb.	Aug. 16
Sept. 1.	Elmira, N. Y.	Aug. 9
Sept. 1.	Milwaukee, Wis.	Aug. 9
Sept. 4.	Lakewood, O.	Aug. 16
Sept. 4.	Detroit, Mich.	Aug. 23
Sept. 4.	Columbus, O.	Aug. 23
Sept. 5.	Englewood, N. J.	Aug. 23
Sept. 5.	Kent, O.	Aug. 23
Sept. 5.	Newton, Ia.	Aug. 16
Sept. 5.	Brooklyn, N. Y.	Aug. 16
Sept. 7.	Albany, N. Y. Adv. Aug. 16 and 23.	Aug. 23
Sept. 15.	Oklahoma, Okla.	Aug. 16
Sept. 15.	Spirit Lake, Ia.	Aug. 9

FEDERAL GOVERNMENT WORK

Aug. 25.	Charleston, S. C.	Aug. 9
Aug. 27.	Hingham, Mass.	Aug. 9
Aug. 27.	Washington, D. C.	Aug. 9
Aug. 27.	Philadelphia, Pa.	Aug. 16
Aug. 27.	Detroit, Mich.	Aug. 23
Aug. 27.	Norfolk, Va.	Aug. 23
Aug. 27.	Washington, D. C.	Aug. 23
Aug. 28.	Mare Island, Cal.	Aug. 23
Aug. 28.	Detroit, Mich.	Aug. 2
Aug. 29.	Glenwood Springs, Colo.	Aug. 9
Aug. 30.	Franklin, Pa. Adv. July 26 and Aug. 2.	July 26
Aug. 31.	San Pedro, Cal.	Aug. 16
Sept. 3.	Kuahua, T. H.	Aug. 9
Sept. 4.	McKees Rock, Pa.	Aug. 9
Sept. 4.	Detroit, Mich. Adv. Aug. 9 to 23.	Aug. 9
Sept. 5.	Torrington, Wyo. Adv. July 26.	July 26
Sept. 5.	Washington, Ga.	Aug. 2
Sept. 5.	San Francisco, Cal. Adv. Aug. 9 to 23.	Aug. 9
Sept. 5.	Washington, D. C. Adv. Aug. 16.	Aug. 16
Sept. 6.	Forsyth, Ga.	Aug. 2
Sept. 12.	Raton, N. M.	Aug. 23
Sept. 12.	Long Island City, N. Y.	Aug. 9
Sept. 21.	Kendallville, Ind. Adv. Aug. 16 and 23.	Aug. 16

MISCELLANEOUS

Sept. 4.	Levee Work—New Orleans, La.	Aug. 23
Sept. 4.	Dam—San Diego, Cal.	Aug. 23
Sept. 5.	Shaft—New York, N. Y.	Aug. 23
Sept. 6.	Pumping Machinery—Brockton, Mass.	Aug. 23

Where name of official is not given, inquiries should be addressed to City Clerk County Clerk or corresponding official.

WATER-WORKS

Proposed Work

N. J., New Brunswick—City plans to install 4200 water meters. About $40,000. Address E. E. Farrington, mayor.

Water-Works (Continued)

Pa., Ambridge—Boro. Council passed ordinance Aug. 6, for securing land to improve and enlarge waterworks. Ambridge boro. L. C. Beall, pres.

Pa., Lewiston — Lewiston-Reedsville Water Co. plans to develop additional source of water supply from Lingle Run, and to treat the same. S. W. Cooper, city supt.

Pa., Meshoppen—City plans to improve waterworks system. A. H. Sterling, city supt.

Pa., Mt. Joy—Boro. election soon to vote on $30,000 bond issue to build filtration plant and improve water-works system. R. Fellenbaum, clk.

Pa., Pottsville—Silver Creek Water Co. plans to extend distributing system. Blythe Twp., Schuylkill Co. W. D. Pollard, gen. engr.

Md., Takoma Park—Maryland State Bd. Health plans to build hypochlorite plant here.

N. C., Belmont—See "Sewers."

Ga., Tallulah—See "Industrial Works."

O., Cuyahoga Falls—City to sell $25,000 bonds to improve water-works system. L. F. Cook, city supt.

O., Dayton—(Official)—City to sell $380,000 bonds, Sept. 20, to extend water-works system. H. Collins, city supt.

Neb., Pawnee—City sold $10,000 bonds to build water-works extension. T. H. Lawrie, city supt.

Mont., Geraldine—City plans to purchase and improve Winchell Spring Water Co. plant and lease Rattlesnake Springs. About $15,000, exclusive of improvements.

Tex., Mineral Wells—City lets contract about Oct. 1, building spillway filters, pipe line, and dam for water-works system.

Tex., Throckmorton—City having plans prepared by E. Elrod, engr., Interurban Bldg., Dallas, building water-works system.

Okla., Cayle—Council passed ordinance authorizing $13,000 bond issue to improve waterworks system.

Okla., Cushing—City having plans prepared improving water-works system, including dam and wells.

Okla., Dewar — City election voted on $20,000 bond issue for waterworks.

Okla., Lawton—City plans to extend waterworks system. About $375,000. Bonds voted J. M. Haynes, secy. bd. comrs. W. W. Soper, city supt.

Okla., Miami—City having plans prepared improving waterworks system. A. L. Saylars, city supt.

Okla., Oklahoma—City plans to spend $10,000 to connect city water mains with 5 privately owned wells. J. W. Bennett, supt.

Okla., Okmulgee—(Official)—City defeated bonds to build water-works system. R. H. Jenness, comr. finance. Noted July 5.

Okla., Poteau—City soon lets contract, waterworks extension, involving 500,000-gal. reservoir, standpipe, filtration plant and laying 10-in. main. About $71,000. C. M. Bagwell, mayor.

Okla., Ryan—City voted $16,000 bonds to extend water-works system.

Okla., Shamrock—City voted $40,000 bonds to build water-works system. Noted Aug. 2.

Okla., Woodward—City election Sept. 1 to vote on $42,000 bond issue to improve waterworks, electric light and sewerage systems. F. H. Kilburn, city supt.

Idaho, Idaho Falls—Council passed ordinance to issue $82,500 bonds to improve water-works system light and pave street intersections.

Utah, Vernal—City sold $35,000 bonds to build water-works system. F. Hatch, supt.

Que., Levis—City council authorized $28,-000 bond issue to build water-works and drainage system in Villemay Ward. L. Lemieux, clk. F. Desbrothers, supt.

BIDS DESIRED

N. J., Little Falls—(Official)—Until Aug. 27, by City, building pumping station. R. A. Stanley, supt. H. J. Harder, 140 Market St., Paterson, engr.

O., Cleveland—(Official)—Until Aug. 30, by City, building foundation 30,000,000 gal. De Laval centrifugal pump, auxiliaries, etc., and building structural steel platform around same, at Division Ave. pumping station. R. Hoffman, city engr. C. F. Schwartz, city supt.

Minn., Ogilvie—(Official)—Until Aug. 30, by Village, building water-works and sanitary sewerage system, including 8150-ft. of from 8- to 15-in. vitr. sewer tile 4- to 19-ft. deep together with sewage disposal plant, sludge bed and 2400-ft. of from 6- to 8-in. c.i. B & S. water pipe, steel tower, tank, etc., optional bids wood stave pipe and compressed air system. J. F. Druar, 314 Commercial Bldg., St. Paul. Noted July 12.

Minn., Wolverton—Until Sept. 6, by H. C. Ellis, city clk., building water-works and sewerage systems.

Mo., Kansas City—Until Sept. 12, by W. C. Weaver, purch. agt., building 20,000,000-gal. centrifugal pump. B. Lowther, ch. engr. Noted Apr. 19.

Mo., Monett—(Official)—Until Aug. 29, by J. Johnson, city clk. building 1,000,000-gal. rein.-con. reservoir. Noted Aug. 9.

Colo., Otis—Until Aug. 27, by Town Clk., building water-works system, including deep well, wrought-iron water pipe, castings, tees, elevated tank and tower, 25,000-gal., etc. R. D. Salisbury, 1415 East Colfax Ave., Denver, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Conn., Hartford**—Bd. Water Comrs. let contract laying c.i. water pipe in city proper to F. B. & W. H. O'Neil, 324 Maple Ave., and A. C. Sternberg, Park and Mountain Rds., $30,186; laying mains in West Hartford, $220,765. Noted May 3.

★**Ga., Savannah**—See "Sewers."

★**Wis., Portage**—City let contract water-works system, including reservoir, $60,000 gal. pumping station, piping filtration plant to Cast Stone Constr. Co., Eau Claire, $80,-000. Noted June 7.

★**Kan., La Crosse**—City let contract water-works improvement including laying of pipe to Connor Constr. Co., Kansas City, Mo. Noted June 28.

★**Kan., Oswatomie**—City let contract water-works improvements, including 130-hp. boiler, 200 k.v.a. unit pumps to Merkle Heins Machinery Co., 508 Interstate Bldg., Kansas City, Mo., $21,100.

★**N. D., Goodrich**—Village let contract steel tower and water mains to Robinson & Ward, Grand Forks, $25,000. Noted Aug. 9.

★**Okla., Ada.**—City let contract 500,000 gal. tank to Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, $34,000; rein.-con. flume to Independent Concrete Pipe Co., 1201 State Life Bldg., Indianapolis, $24,200. Noted July 26.

★**Cal., Menlo Park**—City let contract furnishing wood-stave pipe for Camp Fremont to Redwood Mfg. Co., Hobart Bldg., San Francisco, $10,000.

SEWERS

Proposed Work

N. Y., Rochester—See "Streets and Roads."

N. Y., Syracuse—City rejected bids building sewers in Grand Ave. and South Salina St. H. C. Allen, city engr. Noted Apr. 12.

N. J., Asbury Park—City Comn. plans to rebuild sewerage system. About $19,-000. H. B. White, clk. R. Bartley, Jr., city supt.

N. J., Bayonne—Bd. Comrs. plans to build sewers in East 23rd St. W. Clarkson, city engr.

N. J., Fanwood—City deferred plans to build sewerage system because of high cost of material and scarcity of labor. Noted May 17.

N. J., Newark—Bd. St. & Water Comrs. plans to build sewer portions Sandford Ave. and Mountain View Pl. M. R. Sherrard, city engr.

N. J., North Arlington—(Arlington P. O.)—State Bd. Health approved plans to build sewers in eastern section boro. T. F. Bowe, Rutherford, engr.

N. J., North Bergen—Twp. Comn. soc. lets contract sewerage system and sewage disposal plant. R. Gaw, engr.

N. J., Pleasantville—City Council plans installing sewer system. About $150,000. Address City Clk.

N. J., Trenton—City plans to build sewers in North Walter Ave. and Lombard and Cromwell alleys. A. G. Howell, clk.

N. J., Washington—Town plans enlarging sewage disposal plant including additional septic tanks and enlarging sludge beds. About $12,000. Clyde Potts, 3 Church St., New York City, engr.

Pa., Allentown—City had plans prepared building sewerage system and sewage disposal plant. About $2,000,000. W. H. Ingnis, Phila., supt. constr. C. D. Weisbach, city engr. Noted May 3.

Pa., Brookville—City had plans prepared building sanitary sewerage system.

Pa., Carnegie—State Health Dept. approved plans building sanitary sewerage system and sewage disposal treatment plant. Edeburn, Cooper & Co., city engrs.

Pa., Fayette City—City having plans prepared building sanitary sewer extensions and sewage treatment plant.

Pa., Johnstown—State Health Dept. approved plans main, intercepting and lateral sewers and sewage treatment plant. J. R. Crassey, city engr.

Pa., Latrobe—City plans to build sewage disposal plant and extend sanitary sewage system. D. Jones, city engr.

Pa., Lower Providence—Eagleville Sanatorium for Consumptives plans to build sewerage system and sewage treatment works at institution.

Pa., Norristown — Allan Wood, Iron & Steel Co., plans to build sewerage system and sewage treatment plant, Ivy Rock plant, Plymouth Twp., Montgomery Co.

Pa., Phila. — Council passed ordinance building Rock Run Main Sewer, portions Old York Rd., 15th St., 66th Ave., 18th St. and 67th Ave. North; building relief sewer 29th St. Wingohocking sewer and Wissahickon high level intercepting sewer. C. Albright, city engr.

N. C., Belmont—Town issued $20,000 bonds to build sewerage system; also plans to build water-works system.

N. C., Southport—City plans to build sewerage system. About $12,000.

O., Akron—Council passed ordinance for improving portion Brookside St., including grading, curbing, building sidewalks, sewer laterals and water service connections. S. J. Cole, city clk.

O., Celina—(Official)—Village to sell $14,000 bonds, Sept. 12, to build East Side storm sewer. J. M. Wimter, village clk.

O., Cincinnati—Council passed ordinance to issue $920,000 bonds to build Millcreek trunk sewer and sewers in Madison, Westwood, Clifton, Avondale and other districts. F. Krug, city engr.

Mich., Bessemer—City election, Aug. 27, to vote on $50,000 bond issue to build sewers.

Mich., Menominee — City rejected bid. storm sewer. T. R. Hasley, city engr. Noted June 28.

Wis., Fond du Lac—City plans to build sanitary sewer, portions McWilliams, East Scott, Brooke, Griffith and Ruggles Sts. J. S. McCullough, city engr.

Wis., Milwaukee—Sewerage Comn. soon lets contract building power plant and activated sludge sewage disposal plant on Jones Island. About $800,000. J. H. Fowles, secy.

Ia., Marshalltown—City plans to build sanitary sewerage system. W. H. Steiner, city engr.

Minn., Caledonia — City rejected bids building 18,000 ft., 8- to 18-in. sewer, and sewage disposal plant. Noted July 26.

Kan., Wichita—City plans to build sanitary sewer No. 20, 5-mi. long from northern to southern end of city. About $250,000. B. C. Wells, city engr.

Neb., Oakland—City election Aug. 28 to vote on $35,000 bond issue to build sewerage system. R. Johnson, city clk.

Sewers (Continued)

Neb., Omaha—City Comrs. passed ordinance, $20,000 bond issue, for sewers. J. A. Bruce, city engr.

Neb., Ponca—City having plans prepared by C. Morriarity, engr., 600 United Bank Bldg., Sioux City, Ia., building sanitary sewerage system, including 2- or 3-mi. clay or concrete pipe, 8- to 12-in. H. H. Hart, mayor.

Mont., Bridger—City election soon to vote on bond issue to build sewerage system.

Mo., Springfield — See "Streets and Roads."

Ark., Dardanelle—Comrs. Sewer Dist. No. 1 rejected bids 7½ mi. vitr. pipe sewer 6- to 30-in. diam. Noted July 26.

Okla., Woodward—See "Waterworks."

Cal., Los Angeles—City election, Sept. 5, to vote on $150,000 bond issue to build sewers in Dist. No. 6. A. C. Hansen, city engr.

Cal., San Diego—(Official)—City soon lets contract storm drain in portion 6th St., about $21,292; paving, building sidewalk and curb on portion National Ave., about $37,013. Noted July 26.

Ont., Burlington—City having plans prepared new sewers, by P. Dawson, engr. About $50,000.

Ont., Parry Sound—City had plans prepared sewerage system.

Ont., St. Catharines—City plans to build sewer in portions Frazer St. W. P. Near, city engr.

B. C., South Vancouver—Joint Sewerage Bd. plans building sewer, 1 mi. Manitoba St.

BIDS DESIRED

N. Y., Long Island City—Until Aug. 29, by M. M. Connolly, boro. pres., for sewers and appurtenances in portions of Anthon, Buchman, Fillmore and Junction Aves., Sackett, Glasser and Chicago Sts., 2nd Ward; Forbes St., 3rd Ward; Guion, Woodhaven, Metropolitan and Myrtle Aves. and North Villa and North Wickes Sts. and Fulton Pl., 4th Ward.

N. Y., New York—(Official)—Until Aug. 28, by M. M. Marks, boro. pres., improving and extending sewer in portions of 91st St., building receiving basins on 5th Ave., northwest corner 29th St., and alterations and improvements to basins with inlets northwest corner 27th St. and 4 other points; southwest corner 44th St., northwest corner 162nd St. and Ft. Washington Ave., and northeast corner Bway. and 121st St.

N. J., Newark—Until Aug. 28, by Passaic Valley Sewerage Comn., Essex Bldg., building superstructure Bayonne Shaft, part Sect. No. 3, including timber fence and wrought iron piping, c.i. filled plates etc.

O., Cleveland Heights—Warrensville P. O.)—Until Sept. 6, by Town, building sewers and water curbs connections in 15 streets. F. A. Pease Eng. Co., 804 Marshall Bldg., Cleveland, engrs.

O., Girard—(Official)—Until Aug. 25 by H. E. Rees, village clk., building sewers and house connections in part Sewer Dist. No. 1 portions Olive St. Sewer Dist. No. 3, extension Maple Ave. W. Wilson, Youngstown, village engr.

O., Mingo Junction — (Official) — Until Sept. 1, by G. E. Fithen, village clk., building sewers in Clifton and McListee Aves. and grading Garfield Ave.

O., Oberlin—(Official)—Until Aug. 28, by W. A. Hart, village clk., building storm sewers in Dists. Nos. 1, 2, 4, 5, 6, 7 and 3.

O., Rocky River—(Official)—Until Sept. 4, by F. Mitchell, city clk., constructing sewers, sewage disposal plant, flushing tunnels, etc. E. Hamold, city engr. Noted Aug. 9.

Minn., Dodge Center — (Official) — Until Sept. 4, by village, building sanitary sewerage system, including 23,000-ft. 8 to 18 in. sewer tile together with sewage disposal plant. J. F. Druar, 314 Commercial Bldg., St. Paul, const. engr. Noted Aug. 16.

Minn., Ogilvie—See "Water-Works."

Minn., Wolverton—See "Water-Works."

Cal., Santa Barbara—See "Streets and Roads."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Conn., New Haven—City let contract building sewerage system, Prospect Beach Sect. to Acme Eng. Co., Hartford, $80,000.

★N. Y., Syracuse—City let contract Sect. B, 17th Ward sewer to T. C. Hookway Constr. Co., 106 Barnstable Blk., $11,800.

★Pa., Phila.—City let contract building Northeast sewage disposal plant, Wheatsheaf Lane, east of Richmond St. to Phila. Subway Constr. Co., $919,070.

★Md., Hagerstown—Sewerage Comn. let contract building main and lateral sewers, 22,500 lin.ft., 2000 ft. sanitary sewers, 8-, 27-in. diam. together with manholes and appurtenances to H. C. Brooks Constr. Co., Martinsburg, W. Va. Noted July 12.

★Ga., Savannah—(Official)—Port Wentworth Terminal Corp., 6 Bway, New York City, let contract sewers, roads, waterworks, and cottages to Terry & Tench, Grand Central Terminal, New York City, $600,000. Noted Aug. 16.

★Tenn., Maryville — City let contract building 12 mi. sanitary sewers, 8- to 15-in. to J. R. Rutherlin Constr. Co., 819 Commerce Bldg., Kansas City, Mo. $70,000 bond issue authorized. Noted May 24.

★O., Cleveland—Bd. Control let contract installing sewer in portion of Euclid Ave. to D. Zullo, 10501 Hudson Ave., $16,543.

O., Lebanon—(Official)—Village received low bids building auxiliary sanitary sewerage system, from W. H. Boyd, 123 Grafton Ave., Dayton, and C. H. Martin, Middletown. Noted July 26.

★O., Piqua—(Official)—City let contract building Northwest storm sewer to Shamron & Ziegler, Piqua. Noted Aug. 2.

Mich., Menominee—City received low bid building 6000 lin.ft. sewer, from Carlin & Magnus, Marienette, $16,600.

★Ia., Merrill—City let contract building sewerage system to Moore-Seig Constr. Co., Waterloo, $14,632.

★Ia., Sioux City—City let contract laying sanitary sewer from 34th and Jones St. to 24th and Geneva Sts. to W. B. Carter, Sioux City, $12,000.

★Minn., Atwater—City let contract sewerage system including 21,000 ft. of from 8- to 15-in. sewer pipe to E. T. Webster, St. Paul, $29,866. Noted July 12.

★Neb., Norfolk—City let contract sewer extension to G. Vlasnik, 624 North 32nd St., Lincoln.

★Mont., Butte—See "Streets and Roads."

★Tex., Dallas—Sewerage Comn. let contract sewage disposal plant to Cabell M. Kelly, Dallas. About $30,000. Noted May 17.

★Tex., San Antonio—City let contract sewage pumping plant, Sherman St., to be used in connection with Camp Kelly to McKenzie Constr. Co., San Antonio. About $30,000. Noted Aug. 9.

★Ariz., Douglas—City let contract sewerage system to M. F. Dicus, Douglas, $46,-000. Noted June 7.

Wash., Seattle—(Official)—City lets contract about Nov. 15th for sewers in 43rd Ave., N. E. About $15,835. A. H. Dimock, city engr. Noted Aug. 9.

★N. S., Halifax—City let contract sewer extensions to Cook Constr. Co., 335 Queenpool St., $145,000. Noted Aug. 16.

★N. S., New Waterford—See "Streets and Roads."

BRIDGES

Proposed Work

Conn., Waterbury—City rejected bids rein.-con. bridge over Naugatuck River on West Main St. About $75,000. R. A. Cairns, city engr. Noted Aug. 9.

Wis., Prairie Du Chien—Prairie Du Chien & Wyalusing Bridge Co., soon lets contract building 700 ft. rein.-con. toll bridge over Wisconsin River. About $50,-000. J. H. Brantz, St. Paul and Manakota, Minn., engr. Noted July 12.

Kan., Junction City — See "Streets and Roads."

Mo., Benton—See "Streets and Roads."

Mo., Platte City — See "Streets and Roads."

Mo., St. Louis—City election Nov. 6 to vote on $500,000 bonds to build approach to free bridges; also $500,000 to build bridges, viaducts and streets. M. R. Witter, clk.

Okla., Claremore — Rodgers Co. Comrs. plan to build bridges as follows: Over Verdigris River, north of Sageeyah, cost, $20,000; over Dog Creek, northeast Claremore, $1200; over Spencer Creek, Chelsea Twp., $1200.

Okla., Enid—Garfield Co. plans building 30 new bridges and culverts. About $60,000.

Wash., Spokane—A. R. Scott, Spokane Co. engr., preparing plans for steel bridge over Spokane River, near Greenacres. About $25,000. Noted Apr. 19.

Cal., Porterville—City plans election to vote on $30,000 bonds to build bridges over Porter slough.

Cal., Woodland—Bd. Supervs. Yolo Co. plan to build bridges at Madison and Yolo. About $70,000.

BIDS DESIRED

Pa., Montgomery—(Official)—Until Sept. 4, by Comrs. Lycoming Co., rein.-con. bridge over west branch Susquehanna River on 2nd St.; advertised in this issue.

Pa., Reading—(Official)—Until Aug. 27, by W. H. Dechant & Sons, engrs., Baer Bldg., building bridge over Schuylkill River for Carpenter Steel Co. Noted Aug. 9.

Pa., Williamsport—Until Sept. 4, by Lycoming Co. Comrs. building bridges on Newberry-Duboistown and Montgomery Rds. About $400,000. M. C. Krouse, engr. Noted Apr. 19.

S. C., Camden—Until Aug. 27, by Kershaw Co. building bridge over Wateree River. Frink & Pinner, Norfolk, engr.

O., Akron—(Official)—Until Sept. 10 by Summit Co. Comrs. building North Hill Viaduct, rein.-con.; advertised in this issue. Specifications on file at this office.

Ind., Brazil—Until Sept. 4 by Bd. Comrs. Clay Co., building Carter and Wolfe Bridges.

Ind., Indianapolis—(Official)—Until Aug. 27, by Bd. Pub. Wks., for steel girder bridge across canal on 14th St. J. A. Rink, pres. B. J. T. Jeup, city engr.

Ind., Sullivan—Until Sept. 3, Bd. Comrs. Sullivan Co., building F. M. Nead bridge, rein.-con., in Jackson Twp., Lane bridge, rein.-con., in Jefferson Twp.

Minn., Duluth—Until Sept. 6, by St. Louis Co., for rein.-con. bridge over Amity Creek on East Duluth & Lester River Rd. O. Halden, co. aud.

Kan., Hiawatha—Until Sept. 6, by Brown Co. building 4 rein.-con. bridges. F. Whitcomb, clk.

Neb., Omaha—Until Sept. 10, by Douglas Co. for constructing and repairing bridges during year. F. Dewey, clk.

Mo., St. Louis—(Official)—Until Aug. 28 by city building rein.-con. bridge over Broadway at Bellerive Park.

Okla., Pawnee—Until Aug. 28, by Pawnee Co. for 8 steel bridges. J. D. Soulsby, clk.

Okla., Tecumseh—See "Streets and Roads."

Wash., Olympia—(Official)—Until Sept. 4, by city building 370-ft., 4 arch rein.con. bridge over Des Chutes River, 28-ft. roadway, 25-ft. walks. About $100,000. Noted Aug. 9.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Conn., Hartford—Bd. Contr. & Supply let contract rein.-con. bridge with retaining walls over Park River on Prospect St. to Fred N. Miller, Norwich. About $27,920. Noted Aug. 16.

★N. Y., Buffalo—See "Industrial Works."

★W. Va., Spencer—(Official)—County let contract 4 bridges in Walton Dist., rein.-con., to Luten Bridge Co., York, Pa., $15,-000. Noted July 19.

★Fla., Fort Myers—See "Streets and Roads."

★Fla., West Palm Beach—Palm Beach Co. let contract building bridge over St. Lucie River to C. T. Dawkins Constr. Co., Florida Life Bldg., Jacksonville, $63,517. Noted June 21.

★La., Crowley—Arcadia Co. let contract building bridges to Crowley Paving & Constr. Co., Crowley, $135,000.

★Tenn., Mountain City—See "Streets and Roads."

Bridges (Continued)

Ohio, Cleveland—Cuyahoga Co. received low bid bridge work per report No. 4048 from H. N. Henderson, Chagrin Falls, at $58,000.

O., Lima—City received low bids (a) 2 bridges over Ottawa River, (b) addition to arches on Collett St. bridge, from Natl. Concrete Co., 825 Lemcke Bldg., Indianapolis, (a) $29,750 and $27,250, (b) $15,250; G. C. Hardin, Sidney, (a) $32,548 and $30,533, (b) $16,114; Welty Constr. Co., (b) $15,995.

★**Ind., Brazil** — (Official) — Comrs. Clay Co. let contract Brunswick Bridge over Eel River to Natl. Concrete Co., Indianapolis, $34,960. Noted July 12.

★**Ind., Columbus** — City let contract building 150-ft. rein.-con. bridge to Natl. Concrete Co., 825 Lemcke Bldg., Indianapolis, $21,147.

★**Mich., St. Joseph**—Berrien Co. let contract 19 steel bridges across Dowagiac River drain to Frank A. Stryker.

★**Ill., Cadwell**—Drainage—Comrs. Cadwell D.D. let contract for open ditch involving 45,000 cu.yd. excava. to J. McMann, Goshen. Noted July 26.

★**Wis., Superior**—Great Lakes Coal and Dock Co. let contract building new coal handling bridge, involving 350 tons steel to Mead, Morrison Co., Pittsburgh.

★**Ia., Atlantic**—Cass Co. let contract building bridges to G. Henningson, Red Oak, $13,000.

★**Ia., Maquoketa**—Jackson Co. let contract building and repairing rein.-con. bridges to Internation Bridge Co., Evansville and Anderson & Son, Maquoketa, $26,313 and $18,790 respectively. Noted July 26.

★**Ia., Tipton**—(Official)—Cedar Co. let contract building 35 rein.-con. culverts and 1 I-beam bridge to S. R. Johnston, Tipton and R. W. Hogan, Downey, $17,152. Noted Aug. 9.

★**Minn., Thief River Falls**—Pennington Co. let contract bridge over Redlake River at High Landing to Minneapolis Bridge Co., 728 Metropolitan Life Bldg., Minneapolis, $15,800.

★**Minn., Warren** — (Official) — Marshall Co. let contract 4 highway bridges and 2 rein.-con. culverts to Minneapolis Bridge Co., 728 Metropolitan Life Bldg., Minneapolis $12,182. Noted Aug. 9.

★**Neb., Omaha**—Douglas Co. let contract building and repairing 27 bridges to Omaha Structural Iron Works, 420 Bee Bldg., $60,000. Noted May 10.

★**Neb., Tekamah** — (Official) — City let contract rein.-con. highway bridge to Pickus Eng. Constr. Co., 405 Davidson Bldg., Sioux City, Ia., $13,885. Noted Aug. 9.

Ore., Salem—State Highway Comn., let contract for 10 rein.-con. bridges over Beaver Creek, Columbia Co. to L. O. Herrold, 1237 Chemekett, $36,959.

Cal., Fairfield — (Official) — Bd. Superv. Solano Co. received low bids bascule bridge over Sacramento River from Tibbits Pacific Co., 16 California St., Duncanson-Harrelson Co., Chron Bldg., and Healy-Tibbits Co., 9 Main St., all of San Francisco. Noted Aug. 2.

STRUCTURAL STEEL WORK

BIDS DESIRED

Pa., Reading—See "Bridges."

O., Cleveland—See "Waterworks."

Ind., Indianapolis—See "Bridges."

Okla., Pawnee—See "Bridges."

Neb., Omaha—See "Bridges."

Ohio, Cleveland—See "Bridges."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Wis., Superior**—See "Bridges."

★**Ind., Brazil**—See "Bridges."

★**Mich., St. Joseph**—See "Bridges."

★**Minn., Thief River Falls**—See "Bridges."

★**Minn., Warren**—See "Bridges."

★**N. D., Goodrich**—See "Waterworks."

Cal., Fairfield—See "Bridges."

REINFORCED CONCRETE

Proposed Work

Conn., Waterbury—See "Bridges."

Wis., Prairie Du Chien—See "Bridges."

BIDS DESIRED

Pa., Montgomery—See "Bridges."

O., Akron—See "Bridges."

Ind., Brazil—See "Bridges."

Ind., Sullivan—See "Bridges."

Minn., Duluth—See "Bridges."

Kan., Hiawatha—See "Bridges."

Mo., Monett—See "Water-Works."

Mo., St. Louis—See "Bridges."

Okla., Tecumseh—See "Streets and Roads."

Wash., Olympia—See "Bridges."

Cal., San Diego—See "Miscellaneous."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Conn., Hartford**—See "Bridges."

★**N. Y., Johnson City**—See "Industrial Works."

★**Pa., Allenport**—See "Miscellaneous."

★**W. Va., Spencer**—See "Bridges."

★**Fla., Fort Myers** — See "Streets and Roads."

★**Ind., Columbus**—See "Bridges."

★**Ia., Maquoketa**—See "Bridges."

★**Ia., Tipton**—See "Bridges."

★**Minn., Warren**—See "Bridges."

★**Kan., Great Bend** — Courthouse — See "Buildings."

★**Neb., Tekamah**—See "Bridges."

★**Tex., Houston**—See "Miscellaneous."

★**Okla., Ada**—See "Water-Works."

★**Ore., Salem**—See "Bridges."

★**Ont., Windsor**—See "Industrial Works."

STREETS AND ROADS

Proposed Work

N. Y., Buffalo—(Official)—A. C. Hinkley, clk. bd. supervs. Erie Co., received no bid building co. road No. 22, Glenwood-East Concord Part 1. Noted Aug. 2.

N. Y., Rochester—Council passed reading of first ordinance for local improvements as follows: Court, St. sewer, $3000; Ambrose St., brick pavement, $7600; Cliff St., brick, $3600; Smith St., asphalt resurfacing, $21,700; Driving Park Ave., asphalt resurfacing, $12,000; Penn St., asphalt, $15,000; Canal St., resurfacing, $14,000; portion Mt. Hope Ave., brick, $16,000; portion Chili Ave. from city line to Genosee Park Blvd., $56,000; Chili Ave. from Genosee Park Blvd. to Lincoln Ave., $23,000; Brockton St., asphalt pavement and sewer, $11,000; and Pavilion St., asphalt walks and sewer, $5200. Final ordinance for local improvements were as follows: Weener Park extension pavements, $9000; paving portion Jefferson Ave., $3600; Ravenwood Ave., grading and walks, $900; Custer St., grading and walks, $2300; Penhurst Ave., paving, $32,000.

N. J., Avon—Boro. soon lets contract paving Main St. Address J. Thompson, mayor. Noted Apr. 19.

N. J., Camden—City Council plans paving South 10th, Walnut and Grant Sts., sheet asphalt on concrete foundation. L. E. Farnham, city engr.

N. J., Newark—Bd. St. and Water Comrs. plans paving Bay Ave., granite block, 20 ft. wide; Geneva St., asphalt, 1½-in. surface on 6-in. concrete foundation. A. L. Swain, clk.

Pennsylvania—(Official)—State Highway Dept., Harrisburg, rejected bids road work Foster Twp., McKean Co. Noted Aug. 9.

Pennsylvania—State Highway Comn., Harrisburg, rejected bids opened Aug. 7, road work in East Taylor and Jackson Twps., Cambria Co., Hanover Twp., Lehigh Co., Swartara Twp., Dauphin Co. and Abington Twp., Lackawanna Co. Noted Aug. 16.

Pa., Erie—Erie Co. Comrs. plan building 163 mi. roads. About $4,075,000. Address Co. Clk., Erie. Noted Apr. 12.

Pa., Pittsburgh — (Official) — Council passed ordinance widening portions Perchment St., and Otter Way. R. Swan, city engr.

Va., Lexington—Rockbridge Co., South River Dist., voted $35,000 bonds to improve roads.

Va., Newport News—City sold $100,000 bonds to pave streets and roads. Noted Aug. 2.

W. Va., New Martinsville — Wetzel Co. plans to build 2 roads from Marshall Co. line to Church Dist. line and from Tyler Co. line, Paden City, through Grant Dist. intersecting Harrison Co. road.

S. C., Greenville—Greenville Co. Comrs. appropriated $85,000 bonds to build roads.

Ga., Augusta—City plans paving several streets, permanent pavement. N. Winfield, city engr.

Fla., Ocala—Road and Bridge Dist., Marion Co., voted $75,000 bond issue, hardening roads and building bridges.

Ala., Athens — City soon lets contract paving various streets. About $125,000.

Miss., Biloxi—City election Sept. 18 to vote on $40,000 bond issue to improve streets. Noted Aug. 16.

Miss., Okolona — Chickasaw Co. Bd. Supervs. plan to issue bonds to improve 3rd Supervs. Dist. W. A. Wilkinson, clk.

Louisiana—State Highway Dept., New Orleans, had plans prepared New Orleans-Hammond military highway. D. Buie, state highway engr.

La., New Orleans—City Council plans paving portions Franklin, Sayeso and Conti Blvds., Salcedo, Brugelles, Madrid and Paris Sts. W. J. Hardee, city engr.

Ky., Hopkinsville—City plans to improve Virginia St. to city limits. C. A. Cundiff, city engr.

O., Ashland—Council passed ordinance to improve portions West Sandusky St. R. H. Conn, city engr.

O., Bryan—City to sell $15,000 bonds Sept. 10 to improve Wilson, High and Union Sts. J. A. Neill, clk. Noted June 21.

O., Canton—Council passed ordinance to pave 4th Ave. W. E. Sarver, city engr.

O., Cincinnati—City passed ordinance to improve portion Central Ave., 3rd, Madison, Barker, Portmouth, Mapleleaf and Fairbanks Sts. also passed resolution to improve portion St. Lawrence, Weekling, Monteith and Bassett Sts. F. Krug, city engr.

O., Port Clinton—Ottawa Co. Comrs. sold $104,000 bonds to build roads. Noted July 12.

Ind., Laporte—Laporte Co. sold $16,000 bonds to build B. G. Nelson Rd., Center Twp.

Mich., Battle Creek—City plans to pave portion Hamblin and Rumely Aves., brick. E. N. Hunt, city engr.

Wis., Appleton—City had plans prepared widening Pearl St. hill and approach through Fox River Paper Co. mills. A. C. Remley, city engr.

Ia., Sioux City — City plans to pave Jones, Jennings, 39th, Douglas, Pierce, Nebraska and other streets, concrete. About $120,000. T. H. Johnson, city engr.

Minn., Wolford—Town to sell $16,000 bonds Aug. 27 to build roads and bridges. G. Bennett, clk.

Kan., Junction City—Geary Co. to spend $27,450 to build roads and $18,400 to build bridges.

Kan., Osborne—Council passed resolution paving 12 blocks. S. P. Crampton, clk.

Neb., Lincoln—City sold $30,670 bonds to pave various streets. A. Dobson, city engr.

N. D., Fargo—City soon lets contract paving portions 3rd Ave., not included in paving job No. 134, and 10th St.

Mont., Helena—City had plans prepared paving 12½ mi. streets. D. J. McLeod, city engr.

Mo., Benton—Benton Co. voted $750,000 bonds to build roads and bridges. Noted July 19.

Mo., Charleston—Mississippi Co. plans to build 50-mi. gravel roads. About $425,000 available. C. E. Swank, engr.

Mo., Jefferson City—City plans paving Harrison and Jackson Sts., vitr. brick. P. C. Hardin, city engr.

Mo., Platte City—Platte Co. election soon to vote on $20,000 bond issue to build roads and bridges in Parkville Special Rd. Dists.

Mo., St. Louis—See "Bridges."

Mo., Springfield—City plans to improve streets, including 2-mi. paving, 5000 ft. sidewalk, 17,200 ft. curbing, and 8 mi. sewers in east, northeast and southeast sections. About $80,000. O. D. Christman, city engr.

Streets and Roads (Continued)

Ark., Forrest City—St. Francis Co. sold $450,000 bonds to build roads, Dists. Nos. 1 and 2. Noted July 26.

Ark., Helena—Phillips Co. plans to build 200 mi. permanent highways.

Ark., Mt. Ida—Montgomery Co. plans to spend $13,176 to improve highways, Rd. Dist. No. 26.

Ark., Union—Town had plans prepared by State Highway Dept., Little Rock, 5 mi. gravel road northwest corner. About $16,-854.

Ark., Van Buren—Crawford Co. having plans prepared by Winters M. Dove, engrs., Ft. Smith, building highway from Van Buren to Washington Co. line, 42-mi., forming link in Arkansas, Jefferson highway.

Ark., Walnut Ridge—Lawrence Co., Walnut Ridge, sold $65,000 bonds to pave 13 mi. Egypt Highway and $31,000 for 6 mi. Portia Highway.

Tex., Amarillo—City plans paving 60,000 sq.yd. W. D. Howren, city engr.

Tex., Beaumont—City will spend $54,000 to resurface portions of College, Liberty, Orleans, Austin, Tevis, Park, Pearl, Calder, Laurel, Main, Walnut, Alamo, Bowie, Jefferson, Main, Cypress, Fannin, Forsyth and Ann Sts. C. L. Scherer, city engr.

Tex., Port Lavaca—County voted $75,000 bond issue building roads in Port Lavaca Rd. Dist. Noted July 26.

Tex., Wichita Falls—Wichita Co. making surveys for road improvements. About $750,000. J. B. Crockett, co. engr. Noted June 14.

Okla., Enid—Comrs. Garfield Co. plan improving roads. About $100,000.

Okla., Tishomingo—Johnston Co., Garner Twp., plans to issue $30,000 bonds to improve roads. Address Co. Comrs.

Idaho—State, counties and Government voted $100,000 bonds to commence building road through state from Phoenix, Ariz., to Canadian boundary, North and South Highway.

Idaho, Bonners Ferry—Boundary Co. voted $70,000 bond issue for highway work.

Idaho, Idaho Falls—See "Water-Works."

Oregon—State Highway Comn., Salem, soon receives bids paving 33 mi. highway, including grading and macadamizing 3 mi. from Comstock to northern Douglas Co. line, eliminating Rice Hill Canyon Creek Canyon grading and macadamizing Cow Creek Rd., with coöperation of Federal Government, state and county. About $400,000.

Ore., Myrtle—City rejected bids paving portions 1st St. New bids. Noted Aug. 16.

Ore., Toledo—Lincoln Co. election soon to vote on bond issue to improve 100-mi. highway.

Cal., Crescent City—Del Norte Co. election soon to vote on $200,000 bond issue to improve highway from here to Grant's Pass.

Cal., Dinuba—City preparing plans paving portion Tulare, South 1 and North L Sts. A. Sloan, city engr.

Cal., Los Angeles — City council plans paving and widening portion West 1st St. A. C. Hausen, city engr.

Cal., Riverside—(Official)—Bd. Supervs. Riverside Co., formed Rd. Imp. Dist. No. 2 and plans to build 34 mi. road in Palo Verde Valley. R. W. Waterman, Blythe, engr. in charge.

Cal., San Diego—See "Sewers."

BIDS DESIRED

Massachusetts—Until Aug. 28, by State Highway Comn., Boston, building 4400 ft. state highway in Kingston.

N. J., Bridgeton—Until Aug. 29, by Bd. Freeholders, Cumberland Co., resurfacing gravel of Shiloh Pike, 3.45 mi. E. C. Ott, chn. road comn.

N. J., East Rutherford—(Rutherford P. O.)—Until Aug. 31, by Common Council, paving Park Ave., granite block. W. W. Patrick, boro. clk.

N. J., Freehold—Until Sept. 5, by Bd. Freeholders Monmouth Co., reconstructing Freehold Rd., 1st section, 14,667 sq.yd. paving; building Holmdel Rd., rein.-con. G. D. Cooper, Red Bank, co. engr.

N. J., Linden—Until Sept. 4, by Twp. Com., improving Meacham Ave., Dennis Pl., Price St. and Elizabeth Ave., 8-in. macadam. About 5560 sq.ft. J. L. Bauer, Elizabeth, twp. engr.

N. J., Newark—Until Aug. 29, by City Comn. paving South 16th St., telford. M. R. Sherrard, city engr. Noted July 26.

N. J., Rutherford—Until Aug. 31, by Council, sidewalks, cement and concrete, Orient and Rutherford Aves., paving Washington Ave. and Sylvan St., wood, Edgewood Pl., concrete curb and gutters. F. A. Stedman, boro. clk. R. M. Watson, boro. engr.

N. J., Toms River—Until Sept. 4, by Bd. Freeholders Ocean Co., reconstructing 1 mi. road, 20 ft. wide. H. C. Shinn, Lakewood, co. engr.

N. J., Weehawken—Until Aug. 28, by Town Council, West New York, paving several streets. About $40,000.

Pennsylvania—(Official)—Until Sept. 4, by F. B. Black, state highway comr., Harrisburg, constructing highways in various counties; advertised in this issue.

Maryland—Until Sept. 4, by State Road Comn., Baltimore, paving 2 mi. concrete road in Frederick Co., 2.33 mi. in Allegheny Co., 1.30 mi. on Monroe St and Elgin Ave., sheet asphalt.

Miss., Greenville—Until Sept. 1 by Washington Co. Highway Comn., surfacing 150-mi. roads, gravel. E. W. Wod, chmn. J. S. Allen, ch. engr.

Louisiana—(Official)—Until Aug. 30 by State Highway Dept., New Orleans, building road from Alexandria to Camp Beauregard, bituminous macadam surfacing, 20 ft. wide, gravel shoulders. About $105,000. Contract for clearing, grubbing and grading has been let to F. T. Constant. D. Bule, state highway engr. Noted Aug. 9.

Tenn., Hohenwald — Until Sept. 18, by Lewis Co. Comn., grading 30 mi. roads involving 12,000 cu.yd. excava. C. Grossman, co. engr.

O., Cleveland—Until Aug. 29 by City improving portion Archwood, Hulda, Jefferson, Locke, Marshall, Suaer, East 125, 126, 127, West 87, Wilbur and East 107th Sts., Fairmont Rd. and Fairchild Ave. R. Hoffman, city engr. Noted Aug. 16.

O., Greenfield—Until Sept. 3, by E. M. Conner, village clk., improving South St., including draining, grading and paving, tarvia, bound macadam concrete.

O., Mingo Junction—See "Sewers."

Indiana—By Co. Comrs. for constructing roads as follows: Aug. 30: Winchester, 3 roads, Washington Twp.; 1, White River Twp.; 2 gravel roads, Stoney Creek Twp.; stone road, Washington Twp.; road, Greensfork Twp. C. E. Tillson, aud. Sept. 3: Portland, crushed stone road, Wabash Twp. John Bonifas, aud.; Valparaiso, road Center Twp. C. A. Blachly, aud.; Nashville, gravel road, Hamblin Twp. Omer Morrison, aud.; Rochester, 2 roads, Henry Twp. E. A. Smity, aud. Sept. 4: Corydon, 5 stone roads, Harrison, Nester and Boone Twps., Spencer and Blue River Twps., Webster and Harrison Twps.; S. C. Mauck, aud. Ben Davis, grading and graveling road. J. M. Hillman, trustee. Portland, crushed stone road, Jefferson Twp. J. Bonifas, aud. Rensselaer, 2 stone roads, Carpenter Twp. J. P. Hammond, aud. Bloomfield, 2 macadam roads, Jackson and Stockton Twps. G. E. Kidd, aud. Plymouth, 5 gravel roads, Walnut, Center and Walnut, Tippecanoe, Center and German Twps., respectively. O. H. Weber, aud. Salem, road Pierce Twp., 5365 ft. E. E. Batt, aud. Monticello, road Jackson Twp. A. G. Fisher, aud. Sept. 5: Goshen, gravel road, Osolo Twp. A. R. Bemenderfer, aud. Sept. 6: Logansport, gravel road, Bethlehem Twp. A. P. Flynn, aud. Laporte, 3 roads, Hanna, New Durham and Cass Twps. F. A. Hausheer, aud. Jeffersonville, macadam road, Washington Twp. G. W. Stoner, aud. Sept. 7: Ft. Wayne, 8 macadam roads, Wayne, Perry, Cedar Creek, Springfield and Maumee, Pleasant, Monroe, Madison and Marion Twps. W. Johnson, aud.

Ind., Indianapolis—(Official)—Until Sept. 5, by Bd. Pub. Wks., improving portion 44th, Dawson, South and Market Sts. B. J. T. Jeup, city engr.

Ill., Canton—Until Sept. 4, by City Clk., paving South 4th Ave., concrete. E. F. Matsinger, city engr.

Ill., East Dubuque—(Official)—Until Aug. 27, by City Clk., for rein.-con. pavement, curb and gutter on 1st and Wall Sts. About $10,000. M. Tschirgi & Sons, 713 Amer. Trust Bldg., Cedar Rapids, Ia., engrs. Noted July 26.

Ill., Morrison—(Official)—Until Aug. 25, by V. N. Taggett, supt. highways, Whiteside Co., building 16,046 sq.yd. gravel or gravel and macadam roadway in Albany.

Ia., Muscatine—Until Sept. 6, by H. B. Caple, city recdr., grading Fuller St., and excavating 747 cu.yd. in alley between 11th and 12th Sts., 900 ft. haul. C. H. Young, city engr.

Kan., Columbus—(Official)—Until Sept. 13, by L. Mobly, chn. bd. comrs. Cherokee Co., grading, graveling, and building Blake Rd. C. M. Cooper, co. engr. Noted Aug. 9.

Okla., Tecumseh—(Official)—Until Aug. 27, by Pottawatomie Co. Comrs. building 10 mi. graded road. About $17,200; 11 concrete culverts and bridges. About $8250. 1 concrete bow string arch and apparatus. About $11,500. L. L. Wimans, co. engr.

Wash., Seattle—Until Sept. 4, by King Co. Comrs., building Auburn-Enumclaw Sect. No. 2, Permanent Highway No. 11C, brick or concrete. About $40,000. S. J. Humes, co. engr. Noted Aug. 16.

Wash., Seattle—Until Sept. 10, by King Co. Comrs., grading and graveling between Renton and Renton Junction, 1 mi., involving removal 9000 cu.yd. material. S. J. Humes, co. engr.

Wash., Vancouver — Until Aug. 27, by Clarke Co. Comrs., 2-mi. permanent highway No. 1-A. About $27,000.

California—Until Sept. 4, by State Highway Comn., Sacramento, grading 10.8 mi. in Shasta Co. and 4.5 mi. in San Diego Co.

Cal., Santa Barbara—Until Aug. 30, by A. C. Hall, city clk., paving De La Vina St., 4-in. concrete base, 2-in. asphalt surface, cement, curbs, gutters, vitr. pipe and sewers, also paving Deer St., Troy and Remington Pl., Breckenridge St. and Wohlers Ave. A. B. Cook, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Vt., Barre**—(Official)—City let contract paving portion South Main St. to J. C. De Brune, Barre, $13,135. Noted July 26.

★**Massachusetts**—State Highway Comn., Boston, let contract building highways in following towns: Lynn, granite block, concrete foundation to J. H. Fannon, 26 Hinckley St., Sommerville, $35,251; Swansea to J. McCormack, 315 Taunton Ave., East Providence, R. I., $7632; Freetown, E. J. Rourke, 2280 Massachusetts Ave., Cambridge, $18,215. Noted Aug. 9.

Massachusetts — State Highway Comn., Boston, received low bids building roads in West Springfield, from Adams & Ruxton Contg. Co., 33 Lyman St., $16,812; L. C. Fay & Co., Main St., $17,946; Cordner & Montague, Bay St., $21,597. Contractors all of Springfield. Noted Aug. 9.

★**Mass., Boston**—Bd. Street Comrs. let contract paving portion following streets: Beacon, granite block, Park, to Charles, asphalt; Park from Tremont to Union Club, granite; Tremont and Washington Sts., wood block; Somerset, granite; to B. E. Grant & Co., 27 School St., $75,997. Noted July 19.

★**Mass., Brockton**—City let contract paving Belmont and Main Sts. to Simpson Bros., 166 Devonshire St., Boston, $28,655.

★**Mass., Woburn**—State Highway Comn., Boston, let contract, paving 2400 ft. highway to A. Pollatto, 1117 Crosby St., Lowell. About $14,405. Noted Aug. 9.

★**Rhode Island**—State Bd. Pub. Roads, Providence, let contract paving 1½ mi. state highway on Boston Neck Rd. to John Bristow, Narragansett Pier. About $33,-838. Noted Aug. 9.

★**N. Y., New York**—(Official)—Bronx Parkway Comn., let contract paving portion Bronx River Pkway., with Asphalt Block, to Hastings Asphalt Pavement Co., 25 Broad St., New York City. Noted Aug. 16.

N. Y., Yonkers—Bd. Contract & Supply received low bids paving Palmer Rd., Central Ave. to Bronx River, from Warren Bros., 2306 Creston Ave., bitulithic, old macadam base, $20,516; J. Kearns, Jr., 50 Church St., asphalt block, $27,186; J. J. Hart, 256 Bway., asphalt block, $25,213. Bids to be advertised before contract awarded. Contractors all of New York City.

★**N. J., Belleville**—City let contract paving High St. and Hornblower Ave. to Franklin Contr. Co., 52 Vanderbilt Ave., New York City, $11,000 and $6000 respectively; Cortlandt St. to Northern Constr. Co., 665 Broad St., Newark, $6000.

Streets and Roads (Continued)

★**N. J., Elizabeth**—Bd. Freeholders Union Co. let contract repairing Springfield Ave., New Providence, to Weldon Contg. Co., New Providence, $10,000.

★**N. J., Montclair**—(Official)—Town let contract paving portion Park St., warrenite, concrete curb; Bellevue Ave., warrenite, hillsdale brick to Standard Bitulithic Co., 50 Church St., New York City, $2.86 sq.yd. Noted Aug. 9.

★**N. J., New Brunswick**—(Official)—Bd. Freeholders let contract paving Main and Ferry Sts., South River, to T. H. Riddle, 102 Church St., $40,576. Noted July 26.

★**N. J., Orange**—(Official)—City let contract paving portion Berkely Ave. into asphalt blocks, to Hastings Pavement Co., 25 Broad St., New York City, $32,525. Noted Aug. 16.

★**N. J., Palmyra**—(Official)—Township Comn. let contract paving Broad St., concrete, to A. Martinet, Atlantic City. Noted Aug. 16.

★**N. J., Paterson**—Passaic Co. let contract paving Franklin Ave., from Passaic line to Essex Co. line, through Delawanna St. to F. Spatz, Jr., Nutley, $29,964; Goffle Rd., to Sowerbutt Quarries, Paterson, $51,-642; Cedar Grove and Wilmore Rds. Francisco Bros., United Bank Bldg., $24,029. Noted Aug. 9.

★**N. J., Weehawken**—Town Council West New York let contract paving Bergenline Ave., asphalt block, to George J. Hornung, 413 16th St. About $72,476. Noted May 31.

Pennsylvania—(Official)—F. B. Black, state highway comr., Harrisburg, received low bids road work as follows: (a) Somerset Co., Somerset Twp., 6675 ft. vitr. block, (b) Beaver Co., Big Beaver Twp., 23,546 ft. reinforced cement concrete; (c) McKean Co., Wetmore Twp., 22,101 ft. vitr. brick, (d) Clarion Co., Clarion Twp., 14,128 ft. vitr. brick; (e) Centrer Co., Bellefonte Boro., 2454 ft. vitr. brick; from D. E. Keller, Somerset, (a) $66,012, Mainwaring & Cummins, Inc., Phila., (a) $72,699 (d) $152,798; F. P. Whitton, Pittsburgh, (b) $158,953, P. F. Connolly Co., Realty Bldg., Elmira, N. Y., (b) $144,198; E. N. Love & Son, Corry, (c) $144,974, Larson & Pascuzzi, Kane, (c) $144,249; M. J. Scanlan, New Castle, (d) $103,625; R. B. Taylor, Bellefonte, (e) $28,151. Noted July 26.

★**Pennsylvania**—(Official) — State Highway Dept., Harrisburg, let contract grading and draining portion State Highway Route 51, Somerset Co., to R. B. Taylor, Bellefonte, $81,428. Noted Aug. 9.

★**Pa., Johnstown**—City let contract, paving Highland and Larel Aves., Ebbert, Stormer and Hill Alleys to G. T. Morgan, Johnstown.

Pa., Pottstown — City Council received low bid paving portion North and South Centre St., from J. B. Trexler, Reading. About $45,000. Noted July 12.

★**Pa., Uniontown** — Comrs. Fayette Co. let contract 3 mi. road from Chamberlain-Connellsville Twp. to Pennsville to Bell-Bockel Co., Central Tribune Bldg., Altoona. About $120,000. Noted July 19.

Virginia — State Highway Comn., Natl. Bank of Commerce, Richmond, received low bids paving highway, 18 ft. wide with 6-in. concrete base from Atlantic Bitulithic Co., Virginia Ry. & Power Bldg., $60,000. J. U. Addenbrook's Sons, Norfolk, $40,000.

★**W. Va., Ceredo**—City let contract paving, to Hunt & Forbes, Ashland, $33,000.

★**W. Va., Wheeling**—(Official)—Ohio Co. Comrs. let contract grading and building concrete road surface on Steenrod and Mt. de Chantal Rd. to Jacovetty & Savage, Wheeling, $19,927. Noted Aug. 9.

★**Ga., Savannah**—See "Sewers."

★**Ga., West Point**—City let contract paving, grading, curbing, draining, building sidewalks various streets to Merrill Road Improv. Co., James Bldg., Chattanooga, $82,000. Noted Aug. 2.

★**Fla., Fort Myers**—Lee Co. Comrs. let contract 43½ mi. roads, Caloosa Valley Good Rds. Dist., including 89 concrete bridges and culverts, to Trapp & Fraser. About $200,000.

★**Miss., Greenwood** — Leflore Co. Bd. Supervs. let contract 150-mi. road to W. F. Kelley. $600,000 bond issue voted. Noted July 19.

★**Miss., Gulfport**—Harrison Co. let contract surfacing 6 mi. highway to Callahan Constr. Co. About $.43 per sq.yd.

Tenn., Chattanooga — Hamilton Co. received one bid building concrete highway Lookout Mountain from Chikamauga Quarry & Constr. Co., James Bldg., $1.90 per yd. concrete and $2.09 per yd. river gravel. Noted Apr. 5.

★**Tenn., Mountain City**—Johnson Co. Comrs. let contract building 34 mi. road from here to Virginia state line, 34 mi., including 30 bridges and culverts, to Charlotte Paving Co., Charlotte, N. C.

★**Ky., Owensboro**—Fiscal Court Daviess Co. let contract 19½ mi. Livermore, Henderson, Booneville and Curdsville Rds. to Montgomery, Perkins & Ellis; Hardinsburg Rd. to Miller & Woodruff, both of Owensboro. Noted Aug. 2.

★**Ohio**—State Highway Comn., Columbus, let contracts building roads as follows: Athens Co., Athens-Hockingport Rd., Wilson & Beckler, Athens, $31,451; Butler Co., Hamilton-Middletown Rd., Strodbeck Bros., Middletown; monolithic brick reinforced concrete; $67.884 and $71,600; Erie Co., Sandusky-Norwalk Rd., John Strauss, Castalia, $24,533; Sandusky-Clyde Rd., John Strauss, Castalia, $29,854; Franklin Co., Columbus-Sandusky Rd.; J. C. McCann & Son, Columbus, bituminous macadam, A-1, $37,243; A-1-C, $38,900; Tar T-1, $36,157; Fayette Co., Hillsboro-Washington Rd., John M. Jones, Washington C. H.; $23,060; Fulton Co., Archbold-Fayette Rd., Gray Bros., Bowling Green, $13,300; Gallia Co., Ohio River Rd., J. L. Betz, Gallipolis, waterbound gravel, concrete and gravel, $17,999; Hardin Co., Kenton-Upper Sandusky Rd., Latshaw & Stinchcomb, Fostoria, reinforced concrete, $32,992; Kenton-Upper Sandusky Rd., Federal Asphalt Paving Co., Hamilton, bituminous concrete, $35,700; Hocking Co., Logan-Chillicothe Rd., Gray Bros., Bowling Green, bituminous macadam, $23,800; Huron County, Savannah-Vermilion Rd., A. J. Baltes, Norwalk, $25,289; Licking Co., Newark-Fallsburg Rd., Vogelmier Bros., Newark, $32,203; Lorain County, Ashland-Oberlin Rd., the Highway Construction Co., Elyria; concrete, bituminous macadam, $25,429; Ottawa Co., Fort Clinton-Marblehead Rd., Marsman & Green, Grand Rapids, Mich., $47,309; Putnam Co., Kalida-Lima Rd., Carey & McElroy, Ada, $10,600; Trumbull Co., Warren-Meadville Rd.; Seiple & Wolf Construction Co., Youngstown, $32,-348; Trumbull Co., Canfield-Niles Rd., Morgan Bros., Ravenna, $28,661; Vinton Co., Gallipolis-McArthur Rd., John L. Porter, Marysville, $4865; Williams Co., Bryan-Pioneer Rd., Doan & Langenderfer, Toledo, waterbound macadam, $56,062, bituminous macadam, $67,476; D. W. Botkins & Son, Ada, bituminous macadam, $63,638; Wyandot Co., Upper Sandusky-Kenton Rd., Modern Construction Co., Fremont, $7606; Upper Sandusky-Tiffin Rd., Modern Construction Co., Fremont, $29,892.

O., Ashland—City received low bid paving portion Virginia Ave. from D. A. Philips, Ashland, $18,947. Noted July 12.

★**O., Canton**—City let contract paving 8th St., N.E., to Downs Constr. Co., Lawrence Rd. and Gibbs Ave. Noted Aug. 2.

★**O., Cincinnati**—(Official)—Bd. Trustees Cincinnati Southern Ry., Ingalls Bldg., let contract grading and paving Front St., in connection with building railroad track to Kirchner Constr. Co., West 9th St. About $45,000. Noted July 26.

★**O., Cincinnati**—Dept. Pub. Ser. let contract, paving, grading, curbing and draining, Scioto St. to R. E. Cash, 110 Lincoln Inn Court. About $14,000. Noted July 5.

★**O., Cleveland**—Bd. Control let contract paving portion East 24th St. to Freshwater Constr. Co., 9500 Madison Ave., $16,000; West 25th St. to Cleveland Trinidad Paving Co., The Arcade, $22,741.

★**O., Lima**—City let contract paving portion Bellefontaine Ave. to Johnson & Ritz, Napoleon, $48,073.

★**O., Oberlin**—City let contract paving and draining Union and North Main Sts. to C. E. Williams, Oberlin.

★**O., Pioneer**—(Official)—Village let contract paving various streets, involving 13,-000 sq.yd. to Fuelling & Krudop, 1324 Eliza St. Noted Aug. 2.

★**O., Sandusky**—(Official)—City Comrs. let contract paving portion Adams, Fulton, Division and Boult Sts. to Cummings Prudden Co., 1907 2nd Natl. Bank Bldg., Toledo, $38,808. Noted Aug. 2.

★**O., Sidney**—City let contract brick paving, to G. H. Heffner Son & Co., Celina; asphaltic concrete paving to Columbus Asphalt Paving Co., 1115 Columbus Savings & Trust Bldg., Columbus; about 95,000 sq.yd. in all. Noted July 19.

Ind., Indianapolis — City received low bids paving portion Massachusetts Ave., about 10 blocks, from American Constr. Co., 108 North Delaware St., $20,000, Barber Asphalt Co., American Central Life Bldg., Republic Constr. Co., 1614 Merchants Bank Bldg.

Ind., South Bend—Bd. Pub. Wks. received low bids paving Mishawaka Ave. and Eddy St. from A. H. White Constr. Co., 1600 Railway Exch. Bldg., Milwaukee, $184,000; Williston Constr. Co., 343 South Dearborn St., Chicago; Federal Paving Co., 316 Rentscher Bldg., Hamilton, O. Noted Aug. 2.

★**Ind., Terre Haute**—Vigo Co. let contract paving portion 25th St., brick, to Weaver & Welch, Terre Haute, $79,852. Noted Aug. 9.

★**Mich., Pontiac** — (Official) — City let contract 2½ mi. 5-ft. walks to B. Smith, Pontiac, 14c. per sq.ft. Noted July 26.

★**Mich., River Rouge**—(Official)—Village let contract paving Henry St., east and west, Victoria, Oak and Batavia Sts., and Burke Ave. to Rice Constr. Co., Wyandotte, $45,000. Noted July 26.

★**Ill., Belleville**—Bd. Local Imprvs. let contract paving portion Illinois St. to Bauer Bros., Belleville, $10,800.

★**Ill., Chenoa**—City let contract paving streets to I. D. Lain, Bloomington, $56,037. Noted Apr. 12.

★**Ill., Highland Park**—City let contract paving portions Cedar, St. Johns and Linden Aves., concrete, bituminous concrete surface, to Western Improv. Co., Highland Park, $47,369.

Ill., Hillsboro—City received low bids paving Hamilton and Water Sts. from Sell & Koller, Pana, $26,406, Curdie Contg. Co., Hillsboro, $26,629. Noted Aug. 2.

★**Ill., Naperville**—City let contract paving 56,000 sq.yd. cement concrete to Logan & Giertz Constr. Co., Naperville, $125,000.

★**Ill., Paxton**—Bd. Local Improv. let contract paving Railroad Ave. and East Franklin St. to H. C. Finley, Hoopeston. About $27,208.

Ill., Rock Island—City received low bids improving 6th Ave., (a) concrete gutter and curb, (b) asphaltic concrete paving, (c) excavating, from McCarthy Improvement Co., 3rd and Perry Sts., Davenport, (a) $.65, (b) $2.05, (c) $.40; Ryan Constr. Co., 42 1st Natl. Bank Bldg., Davenport, (a) $.75, (b) $2.18, (c) $.40.

★**Ill., Waukegan**—City let contract paving Colony St. to C. Peterson Constr. Co., Kenosha and C. P. Moran, Waukegan. About $21,000.

★**Wis., Ashland**—City let contract paving to Franzen & Bystrom Bros., Ashland, $25,-700.

Wis., Chippewa Falls—Bd. Pub. Wks. received low bids paving portions North Main and Willow Sts., from A. C. Larson & Co., and Cast Stone Constr. Co., both of Chippewa Falls. About $15,000.

★**Ia., Davenport**—Bd. Pub. Wks. let contract laying 12,872 sq.yd. paving, 4500 ft. curb and gutter to D. J. Ryan Constr. Co., 2nd St., $43,895.

★**Ia., Des Moines**—City let contract paving portions Locust, East 9th, Capitol Ave., East 11th and East 12th Sts., Texaco sheet asphalt, 80,000 sq.yd. including sidewalks to T. Carey & Sons, Clinton, $2.18 per yd. Noted Apr. 12.

★**Kan., Pratt**—City let contract paving 50,000 yd. to M. R. Ammerman, Salina.

★**Neb., Havelock**—City let contract paving 40 blocks to Abel Constr. Co., 318 Terminal Bldg., $110,000.

★**Neb., Omaha**—City let contract paving 1 mi. to Bauer & Johnson, Omaha; also repaving 1 mi. to W. E. Callahan, 1514 City Natl. Bank Bldg. Noted June 7.

Neb., Plattsmouth—(Official)—City let contract 12,850 yd. wire cut brick, and 7442 ft. curbing in Dist. No. 13 to Western States Constr. Co., 782½ Brandeis Bldg., Omaha. $30,621. Noted Aug. 2.

★**S. D., Sioux Falls**—City let contract paving portion 20th and 10th Sts., portland cement concrete and bitulithic to C. H. Atkinson, Watertown.

Streets and Roads (Continued)

★Wyo., **Sikeston**—City let Scott St. contract paving portions Malone Ave., asphalt and macadam, concrete base, to R. Williams, Wyatt, $29,573.

★Mont., **Butte**—City let contract grading and building sidewalks, portions Granite St. and paving portions main alley to G. D. Pue, Butte, $10,933. Noted July 5.

★Mont., **Butte** — City let contract improving Montana St., J. C. Maguire, 615 Daly Bank Bldg., bitulithic, $2.70 per sq. yd., 7066 ft. gutter, 50c. per ft., 4165 ft. 19-in. storm sewer, 95c. per ft., 18 catch basins, $35 each, 13 manholes, $50 each. Noted July 19.

★Mo., **Brunswick**—City let contract paving West Main St. to Kennedy Olson Constr. Co., 601 Ridge Arcade Bldg., Kansas City, $15,155.

Mo., **St. Louis**—Bd. Pub. Wks. received low bids paving Wilcox Ave., vitr. brick, 5-in. concrete base, from F. A. Stiers Constr. Co., 4512 Morgan St., $15,152, Eyermann Constr. Co., 1216 South Grand St., $15,311, Skrainka Constr. Co., Security Bldg., $15,-985, repaving St. Charles St., wood block, Perkinson Bros. Constr. Co., 3237 Carter Ave., $11,794, Eyermann Constr. Co., 1216 South Grand St., $12,876, Fruin-Bambrick Constr. Co., 800 South Spring St., $14,544. Noted Aug. 2.

★Ark., **Devall Bluff**—Prairie Co. Rd. Improv. Dist. No. 3 let contract building macadam roads to S. G. Woodsman, Devall Bluff, $150,000. Noted Aug. 2.

★Ark., **Little Rock**—City let contract surfacing East Washington Ave., 2-coat asphalt surface to R. Moble, 104 East 2nd St., 15½c. per sq.yd. About $10,000.

★Tex., **Huntsville**—City let contract building 15,000 sq.yd. rein.-con. paving to G. L. Clark, Huntsville. Noted July 19.

★Okla., **Altus**—City let contract 12,500 yd. paving to Western Paving Co., 518 Terminal Bldg., Oklahoma City.

★Okla., **Ardmore**—City let contract paving portion B St. to Schuler & Petty, $27,098. Noted June 21.

★Okla., **Okemah**—Okfuskee Co. let contract road work to J. T. Thompson, Ringling, $14,342. Noted May 31.

★Colorado — (Official) — State Highway Comn., Denver, let contract building road from Estes Park to Grand Lake to R. W. McQueary, Granby, $21,021. Noted Aug. 9.

★N. M., **San Miguel**—City let contract paving Douglas Ave. to N. M. Morton Bros., Las Vegas, $31,354.

★Idaho—State Highway Dept., Boise, let contract building highway from Washington Co. line to Council to F. C. Comeford, West of Joplin Cemetery, $83,000. Noted July 5.

★Idaho — (Official) — State Highway Comn., Boise, let contract building 17 mi. Idaho-Utah Highway in Bancock Co. to S. A. Forter, American Falls, $38,000. Noted Aug. 2.

★Idaho, **Twin Falls**—City Council let contract, system of concrete walks, to C. H. Helmer, Twin Falls. About $43,715. Noted Apr. 19.

Idaho, **Wallace**—City received low bids paving 22,000 sq.yd. streets (a) standard bitulithic 2-in. macadam base, (b) 3-in. base, (c) 4-in. base, from H. J. Kaiser, 312 Colby Bldg., (a) $1.49; (b) $1.52; (c) $1.55; Warren Constr. Co., Journal Bldg., Portland, (a) $1.54, (b) $1.58, (c) $1.62. Noted July 26.

★Utah, **Ogden**—City let contract paving portions, Washington Ave. and Riverdale Rd., sheet asphalt, to P. J. Moran, Inc., 52 West 2nd St., Salt Lake City, $126,049.

★Wash., **Kelso** — Cowlitz Co. Court let contract improving 2½ mi. Pacific Highway, from Castle Rock South, to Jarvis & Burkheimer, Portland, $44,600. Noted Apr. 19.

Wash., **Seattle**—Bd. Pub. Wks. received low bids grading Eddy St. from Sloane Bros., White Bldg., $16,707; paving Roy St., from James Constr. Co., 812—2nd Ave. N., $42,500; Superior Constr. Co., 1642 Lane St., $43,152; A. L. Clark & Co., c/o Washington Paving Co., L. C. Smith Bldg., $43,765.

Oregon—State Highway Comn., Salem, received low bids grading and paving (a) Tillamook-Cloverdale Rd., 5½ mi.; (b) Columbia River Highway, 2 mi.; (c) Columbia River Highway, Wasco Co., 4.54 mi.; (d) Columbia River Highway, Columbia Co., 17.75 mi.; (e) road from Svensen to Westport, Clatsop Co., 15.5 mi.; (f) road from Condon to Thirty Mile Creek, Hilliam Co., 5.7 mi.; (g) road in Deschutes Co., 17 mi.; (h) road from North Co. line to Cummings Hill, Wheeler Co., 3.5 mi.; (i) road from Canemah to New Era, Clackamas Co., as follows: Warren Constr. Co., Journal Bldg., Portland, (a) $111,451, (b) $37,321, (d) $136,124 (e) $124,576, (f) $23,334, (g) $47,-810, (h) $19,179, (i) $33,125; Oskar Huber, Electric Bldg., Portland, (a) $105,951, alternate, $110,307, (b) $38,419, alternate, $39,806; Wolf & Gibbons, The Dalles, (c) $24,970; Clark & Thillitin, Rainier, (d) $113,489; E. T. Johnson & Son, Commercial Bldg., Portland, (g) $61,260. Noted Aug. 2.

★California — (Official) — State Highway Comn., 515 Forum Bldg., Sacramento, let contract following road work: Santa Barbara Co., between El Capitan Creek and Alcatraz, Div. 5, Route 2, Sect. F, to Tryon & Brain, 501 Merchants Trust Co. Bldg., Los Angeles, between Elwood and El Capitan Creek, Div. 5, Route 2, Sect. G, to same contractor. Noted July 26.

Cal., **Auburn** — City received low bids paving Main St., from Blinn & Treacy, 1st Natl. Bank Bldg., San Francisco. About $17,700.

★Cal., **San Francisco**—Bd. Pub. Wks. let contract improving portion Corbett Ave. to H. Grummey, Hearst Bldg., $46,740.

★N. S., **New Waterford**—Town Council let contract 3100 ft. curbing and 1195 sq.yd. concrete sidewalks and 653 ft. sewer pipe, to D. H. McLean Co., New Waterford, $40,-000.

★Que., **Hull**—City let contracts building concrete sidewalks to Bison & Bourque, Hull and Ottaway Constr. Co., Central Chambers. About $24,000 and $5500 respectively. Noted July 5.

★Que., **Portinuf**—Town let contract paving 2 mi. macadam roads to J. Ledere & Co., St. Basile de Portinuf, $25,000. Noted July 26.

★Ont., **Listowel**—Town let contract building pavements to W. Brennan and W. Hollingworth, Hamilton, $14,000.

RAILWAYS—STEAM & ELECTRIC

Proposed Work

Alabama—Montgomery Light and Traction Co. plans double tracking line from Montgomery to Pickett Springs, about 6 mi. W. J. Germevan, mgr.

Mississippi — Pearl River Valley R.R. chartered with $1,000,000 capital stock plans to build line from Nicholson to Columbia, about 55 mi. R. L. Emery, 2322 St. Charles Ave., New Orleans, pres.

Illinois—Galesburg Rockford & Northern R.R. incorporated with $200,000 capital stock, plans to build line from Galesburg to Rockford, through Knox, Henderson, Bureau, Whiteside, Lee, Ogle and Winnebago Cos. R. J. Emery, 19 South La Salle St., Chicago, one of incorporators.

Wisconsin — Green Bay & Eastern Ry. increased its capital stock from $50,000 to $3,000,000 and soon lets contract building 70 mi. electric railway from Manitowoc to Green Bay, thence to Sheboygan. Rudolph Stockinger, Manitowoc, secy. Noted Apr. 12.

Minnesota—Great Northern R.R. will build cutoff from Willmar line to Fridley terminal; also plans $20,000,000 bond issue for equipment, double tracking, sidings, terminals and new shops. A. H. Hogeland, St. Paul, ch. engr.

Montana—Montana Southern Ry. plans to extend Elkhorn Mining Dist. line from Dillon. About $500,000. Address E. E. Esselstyn, Butte. Noted May 24.

Texas—Freeport Sulphur Co., owned by Swenson Syndicate, New York, making surveys for proposed interurban electric railway from Freeport to Houston, via Rosenberg; about 100 mi. W. A. Randle, Freeport, ch. engr. Noted Aug. 9.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Pennsylvania**—Lehigh & New England R.R. let contract 6 mi. line between Bethlehem and Allentown to F. H. Clement, Land Title Bldg., Phila. Noted May 24.

★**Wisconsin**—Wisconsin Interurban Co., 350 Washington Bldg., Madison, let contract 250-mi. line to J. T. Adams, Columbus Savings & Trust Bldg., Columbus, First unit will be built from Madison to Janesville via Stoughton.

★**Washington**—Spokane Valley & Northern Ry., subsidiary of Great Northern Ry., let contract 14 mi. spur from Valley to quarries of American Mineral Production Co. to Genl. Constr. Co., 1324 Elm St., Spokane. About $300,000.

EXCAVATION AND DREDGING

Proposed Work

La., Lafayette — Drainage — Scott Subdrainage Dist., Lafayette Co., voted $47,500 bonds for system. L. A. Prejean, pres.

Ore., Klamath Falls — Irrigation — Pine Grove Irrigation Dist., Klamath Co., recently organized, plans system to water 1500 acres.

Cal., Fresno — Irrigation — Conservation and Irrigation Dist. Com. will organize irrigation district to conserve flood waters of Kings River. Plans include concrete dam with 600,000 acre-feet capacity in Pine Flats region, 10,000 kw. hydro electric plant, 525 deep well turbine pumping plants with 80 reserve plants in San Joaquin Valley, involving 1,050,000 cu.yd. excavation, $325,000; concrete masonry, $4,-515,000; gates, $400,000; spillway, $200,-000; flume for bringing lumber to site, $200,000; grouting, $20,000; cement gun work, $15,000; extending railroad, $100,000; roads, $50,000; power substation, $15,000; river diversion, $30,000; pumping and lighting, $10,000; drainage and well drilling, $15,000; power plant, $600,000; 30-mi. transmission line, $150,000 and 605 pumping plants $1,815,000. George C. Roeding, Fresno, chn. I. Tellman, care of Fresno Consolidated Canal Co., Fresno, engr.

Cal., San Bernardino — Irrigation — Bd. Supervs. plan to irrigate 48,000 acres in Apple and Victor valleys with annual flow of 90,000 acre-feet from Mohave River and Deer Creek. About $4,320,000.

BIDS DESIRED

La., New Orleans—Dredging—Until Sept. 12, by Bd. Comrs. Port of New Orleans, 200 New Orleans Court Bldg., dredging and maintaining specified depths of water at public wharves for period of 1 year. J. B. O'Reilly, engr.

Tenn., Hohenwald—See "Streets and Roads."

Ky., Calhoun—Until Aug. 30 by McLean Co. Drainage Comrs. building ditch and laterals, D.D. No. 8, involving 70,550 cu.yd. earth removal.

Ill., Thomson—(Official)—Drainage—Until Sept. 6, Franklin J. Stransky, atty. of Savanna & York D.D., Savanna, furnishing material, machinery and labor for pump houses, etc. E. T. Perkins, 1201 1st Nat'l Bank Bldg., Chicago, engr. Advertised in this issue.

Minn., Benson—Ditch—Until Aug. 27 by D. P. Carney, Swift Co. aud. building Judicial Ditch No. 4.

Minn., Madison—(Official)—Ditch—Until Sept. 8, (change of date), by A. G. Shogren, aud. Lac Qui Parle Co., building Co. Ditch No. 44 involving 12,750 ft. 8-, 9-, 10-, 12-, 14-, 15-, 16-, 18-, 20- and 22-in. tile, cost, $18,200; Ditch No. 4, 51,100 ft. 6-, 7-, 8- 9-, 10-, 12-, 14-, 15-, 16-, 18-, 20-, 22- and 24-in. tile and 207,316 cu.yd. dredge work, cost, $58,409. B. Loftfield, engr. Noted Aug. 9.

S. D., Madison—Drainage—Until Aug. 28 by Lake Co. Comrs. building D.D. No. 9, involving 32,800 lin.ft. 5-, 6-, 7-, 8-, 10-, 12-, 14- and 16-in. tile. D. J. O'Connell, chn.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Tex., Mercedes** — Drainage — American Rio Grande Land & Irrigation Co. let contract drainage system in Rio Grande Valley to Crawford & Callahan. About $500,000.

Cal., Oroville, Butte Co.—Drainage—Dir. Reclamation Dist. No. 833 received bids excavating canals and drainage ditches from Kenyon & Whitman, $317,574 and Ross Constr. Co., $349,331, both of Forum Bldg., Sacramento.

INDUSTRIAL WORKS

Proposed Work

N. Y., Brooklyn — Interborough Rapid Transit Co., 165 Bway., New York City, plans 1-story, 53 x 100-ft. brick transformer station, Nostrand Ave. About $50,000. George H. Pegram, 165 Bway., New York City, ch. engr.

N. Y., Buffalo—American Brass Foundry Co. plans addition to plant.

N. Y., Buffalo—Sizer Forge Co., 238 Larkin St., had plans prepared, 1-story, 41 x 88 ft. coal house, 40 x 321 ft. covered scrap yard and 88 x 214 ft. electric furnace. About $109,500. A. H. Van Cleve, 238 Larkin Bldg., archt.

N. Y., Cohoes—Cohoes Rolling Mill Co., Canvass St., increased capital stock from $500,000 to $1,000,000 and plans extensions.

N. Y., Flushing—New York & Queens Electric Light & Power Co., 444 Jackson Ave., Long Island City, plans 2-story, substation. About $50,000.

N. Y., New York—F. A. Cella, 888 6th Ave., having plans prepared by J. W. Ingle, archt., 527 5th Ave., 5-story, 38 x 60-ft. garage, rein.-con., brick, 102-4 West 50th St.

N. Y., New York—C. E. Williams, 500 5th Ave., had plans prepared by E. Williams, archt., 500 5th Ave., 6-story, 50 x 100-ft. brick garage, 234 West 67th. About $50,000.

N. Y., Ogdensburg—City plans 2-story market house. About $70,000. Julius Frank, mayor. Williams & Johnston, 40 Ford St., archts.

N. J., Clifton—New Jersey Flour Mill, 1 Chester St., plans 2-story, brick warehouse addition. About $50,000.

N. J., Newark — Des Lauries Aircraft Corp., Jersey City, secured site on Mulberry St., Newark and plans to build. B. H. Dahlan, pres.

N. J., Passaic—New York Belting & Packing Co., 91 Chambers St., New York City, plans 5-story, 87 x 250-ft. brick and rein.-con. factory. Lockwood Green & Co., 101 Park Ave., New York City, archts.

Pa., Athens—Ingersoll-Rand Co. plans 1-story, 75 x 200-ft. machine shop and 1-story, 90 x 145-ft. addition.

N. C., Gastonia—Trenton Cotton Mills increased capital stock to $350,000 and plans extensions.

N. C., Morehead City—North Carolina Shipbuilding Co. has increased its capital stock to $200,000 and plans mill construction buildings.

N. C., Selma—Ethel Cotton Mill Co. increased its capital stock from $100,000 to $200,000 and plans to extend plant.

Ga., Columbus — Columbus Power Co., 1151 Broad St., plans additions and extensions to its present plant. About $200,000. John S. Bleecher, gen. mgr. Stone & Webster Engr. Co., 147 Milk St., Boston, engrs.

Ga., Tallulah—Georgia Ry. & Power Co., Atlanta, plans to build 6th unit of plant here to cost about $330,000; generating station 2 mi below Tallulah Falls power station, $3,000,000; reservoir above Rabun Lake, $1,500,000. C. G. Adsit, Atlanta, constr. engr.

Ala., Mobile—Kelly-Atkinson Constr. Co., Chicago, plans machine shop, blacksmith shop, power house and yard office. About $50,000. W. L. Kelly, 189 West Madison St., Chicago, pres.

Tenn., Memphis—S. S. S. Auto Co. plans 135 x 325-ft. garage. About $50,000. A. G. Field, pres.

O., Cleveland — Cuyahoga Varnish Co., 8820 Bessemer Ave., plans addition to plant. About $60,000.

O., Cleveland—Grabler Mfg. Co., 6565 Bway., soon lets contract 66 x 104-ft. brick, steel and rein.-con. foundry addition, 1115 East 152nd St. About $75,000. C. Schwarzenberg & Gaede, 1900 Euclid Ave., archts.

O., Cleveland — Smith Facing & Supply Co., Carter Rd., soon lets contract, 78 x 104 ft. factory. M. M. Morse & Co., Citizens Bldg., archts.

O., Columbus—State University plans to build 2 brick aviation buildings on campus. About $200,000.

O., Marion—Marion Packing Co. plans brick and concrete boiler house. About $125,000. Stadley Engr. Co., South LaSalle St., Chicago, engrs.

Ind., Aetna — Aetna Explosives Co., Bluffs Rd., plans rebuilding plant recently destroyed by fire. About $1,000,000. Chas. Martin, gen. supt.

Ind., Elkhart—J. E. Smith Son, c/o A. P. Dippold, archt., 4747 Cottage Grove Ave., Chicago, soon lets contract 2-story, 83 x 115-ft. public garage. About $50,000.

Ind., Richmond—Indiana Portland Cement Co., recently incorporated with $1,000,000 capital stock, plans to build plant. Adam L. Beck, Huntington, pres.

Mich., Detroit—Barnes Foundry & Mfg. Co., 79-81 B'way., plans factory between tracks Michigan Central & Detroit, Toledo & Ironton R.R. C. L. Barnes, pres.

Mich., Detroit—Natl. Biscuit Co., 42-56 Woodbridge St., plans new factory, Baltimore and 3rd Sts. About $1,500,000.

Mich., Muskegon Heights — Anderson Packing Co. having plans prepared by L. Lehle, archt., 38 South Dearborn St., Chicago, for 1-story packing plant. About $150,000. J. S. Anderson, pres.

Ill., Chicago—Pioneer Paper Stock Co. plans 5-story, 50 x 109-ft. warehouse, Ohio St.

Ill., Moline—Moline Forging & Mfg. Co. soon lets contract 1-story, 110 x 264-ft. forging shop and office bldg. About $75,000. O. Z. Gerwin, 311 Safety Bldg., Rock Island, archt.

Wis., Milwaukee—Wevenberg Shoe Co., 212-27 Harmon St., had plans prepared, addition to shoe factory. About $200,000. F. L. Wevenberg, pres. Herman Esser, Camp Bldg., archt.

Tex., Texarkana—G. M. Stone, Quincey, Ill., and associates secured site here and plan machinery plant. Initial unit to cost about $100,000.

Okla., Ringling—Peoples Rendering Co., Insurance Bldg., Oklahoma City, plans new plant here. About $65,000. E. D. Smith, Oklahoma City, mgr.

Wash., Seattle—Pacific Oil Mills Co. soon lets contract 3- or 4-story, brick or concrete, oil refining plant, 2-story, warehouse and storage sheds. About $200,000. Herman Meyer, 1816 4th St., archt.

Wash., Tacoma—City Comrs. plan using Mineral Lake power site, with extensive improvements, as auxiliary to Nisqually plant. About $500,000. W. C. Raleigh, ch. engr.

Cal., Martinez—Pacific Electric Metal Co. plans large ferrosilicon factory including 4 or 5 concrete buildings with 10,000 kw. capacity, near Bay Point.

B. C., Princeton—Canada Copper Co. plans concentrating plant, 3000-ton capacity including hydro-electric plant. About $2,000,000.

BIDS DESIRED

O., Columbus—Until Sept. 4, by Trustees State University, for power house. About $100,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Buffalo**—Pennsylvania R.R. let contract 2-story, 30 x 420-ft. brick and steel freight house, 2 bridges and platform, Louisiana and Seneca Sts. to G. H. Scheckler & Sons, Erie, Pa., $200,000.

★**N. Y., Jamaica**—Armour & Co., Union Stock Yards, Chicago, let contract, 3-story, brick warehouse, Rockton St. to Blome Sinek Co., Bway., New York City, $100,000. Noted May 17.

★**N. Y., Johnson City**—Endicott-Johnson Co. let contract 6-story, 80 x 300-ft. rein.-con. factory to Turner Constr. Co., 244 Madison Ave., New York City.

★**N. Y., New York**—New York Butchers Dressed Meat Co., 11th Ave. and 39th St. let contract 7-story, 98 x 120-ft. cold storage plant to Blome Sinek Co., 120 B'way. Noted Aug. 16.

★**N. Y., New York**—Wm. Pechter, 79 Ridge St., let contract 2 bakeries, 468-70 Cherry St., and 300 Monroe St., to Bradhurst Holding Co., 17 West 120th St. About $50,000.

★**N. Y., Waterloo**—Waterloo Mfg. Co. let contract rebuilding factory to F. T. Ley Co., 499 Main St., Springfield, Mass. About $50,000.

★**N. J., Caldwell**—Bd. Freeholders Essex Co., Newark, let contract addition to brick power plant, Essex Co. Penitentiary to W. G. Sharwell Co., 317 North 5th St., Newark, $75,000.

★**N. J., Maurer**—American Smelting & Refining Co., 120 Bway., New York City, let contract 4-story, 55 x 60-ft. steel, frame and hollow tile coal pulverizing mill to H. D. Best & Co., 52 Vanderbilt Ave., New York City.

★**Md., Baltimore**—Maryland Shipbuilding Co. let contract shop, shipways and sheds, Sollers Point, to Morrow Bros. Constr. Co., 1201 Fidelity Bldg., project to cost several hundred thousand dollars.

★**Ky., Russell**—Chesapeake & Ohio R.R., 1st Natl. Bank Bldg., Richmond, Va., let contract, 1-story, 5-stall roundhouse to J. R. Pettyjohn & Co., 202 8th St., Lynchburg, Va.

★**O., Cleveland** — Cleveland Tractor Co. let contract, brick, steel and concrete factory, to Sam W. Emerson, 1900 Euclid Ave. About $350,000.

★**O., Cleveland**—Grant Motor Co., Kirby Ave., let contract, addition, Coit Rd. and Kirby Ave., to W. I. Thompson & Son Co., 6110 Euclid Ave. Noted May 31.

★**O., Cleveland**—McClellan File Co., 3444 Hamilton Ave., let contract, 2-story, 90 x 120-ft. brick factory to John P. Ford & Son, 9523 Preston Ave. Noted Aug. 2.

★**O., Toledo**—Hettrick Bros. Co., Hoag and Fernwood Sts., let contract 2-story, 250 x 330-ft. factory to Schmidt-Harwood Co. Noted June 28.

★**Mich., Detroit**—Winkley Mfg. Co., 866 West Warren Ave., let contract 3-story brick and steel factory, to W. E. Wood Constr. Co., 1805 Ford Bldg.

★**Ill., Blue Island**—Libby, McNeil & Libby United Stock Yards, Chicago, let contract, packing house, to C. A. Moses Constr. Co., 133 West Washington St., Chicago. About $500,000.

★**Ill., Chicago**—Louis Schetnitz, Jackson Blvd. and Market St., let contract 7-story brick factory, 1032-46 Kingsburg St., to Scharmer Constr. Co. About $150,000.

★**Wis., Madison**—Northwestern Ordnance Co., let contract 50,000-sq.ft. factory to Worden-Allen Co., Milwaukee.

★**Wis., Milwaukee** — Wisconsin Gun Co. let contract 1-story, 130 x 300-ft. factory to Worden-Allen Co., Milwaukee.

★**Minn., St. Cloud**—Pan Motor Co. let contract, 1-story, 56 x 715-ft. 56 x 415-ft., 50 x 60 and 50 x 100-ft. assembling plant to Madsen & Peterson, 802 Plymouth Bldg., Minneapolis, on percentage basis. About $250,000.

★**Minn., St. Paul** — Chicago, St. Paul, Minneapolis & Omaha R.R. let contract, 1-story, 53 x 85 ft. power plant and 80 x 264-ft. engine house addition and tender house to W. Baumeister Co., 1203 Pioneer Bldg. About $290,000.

Cal., Bay Point—Pacific Electric Metals Co. let contract factory to Lindgren & Co., Monadnock Bldg., San Francisco. About $50,000.

★**Ont., Belleville**—Graham Co., Ltd., let contract cold storage warehouse to W. F. Sparling Co., 120 Bay St., Toronto. About $100,000.

★**Ont., Windsor**—Maxwell Motor Co. let contract 2-story, 100 x 30-ft. rein.-con. plant to R. Westcott, Woodward and Warden St., $130,000.

BUILDINGS

Proposed Work

Me., Portland — Theater, Store, Office — Nickel Amusement Co., 565 Congress St., plans 2-story, 129 x 132-ft. additions. About $100,000. Fred N. Dow, pres. T. W. Lamb, 644 8th Ave., New York City, archt.

Mass., Athol—Church—First Methodist Episcopal Congregation plans 1-story, 84 x 90 ft. About $60,000. Rev. E. V. Hinchliffe, 105 Main St., pastor. E. T. Chapin, 340 Main St., Worcester, archt.

Conn., Storrs — Connecticut Agricultural College having plans prepared, 6 new buildings, by Unkelbach & Perry, 162 Main St., New Britain. About $75,000.

Buildings (Continued)

N. Y., Buffalo—Church—St. John Baptist Ruthenian Church had plans prepared by W. H. Zawadzki, archt., 1-story, 60 x 90-ft. brick, Filmore St. and Oneda Ave. About $50,000. Father H. Ortynsky, 153 Germain St., pastor.

N. Y., Greece—High and Grade School—Bd. Educ. having plans prepared by C. Ade, archt., 346 East Ave., Rochester, 2-story, 80 x 90-ft. brick and steel. About $75,000.

N. Y., North Tarrytown—Hospital—I. L. Rice Memorial Hospital for Convalescents, c/o I. L. Rice, Jr., 61 B'way., New York City, having plans prepared by H. B. Herts, archt., 507 5th Ave., New York City, 3-story, 150 x 350-ft. brick and stone. About $400,000.

N. J., Asbury—Natatorium—City Comn. will sell $100,000 bonds for rebuilding and installing machinery. H. B. White, city clk.

N. J., Jersey City — Clubhouse — Lodge 211, B. O. P. E., plans, 4-story. About $100,000. Patrick Powers, chn. bldg. comn. W. Neumann, 314 Palisade Ave., archt.

Pa., Edge Hill—Club House—Lulu Temple Country Club plans 3-story, 30 x 70 ft. About $150,000. C. T. Martin, c/o Kensington Trust Co., Kensington and Allegheny Aves., Phila., pres. G. W. Castor, archt., Stephen Girard Bldg., Phila., soon receives bids.

Pa., Farrell — Club House — American Sheet & Tin Plate Co., Frick Bldg., plans, brick, Buhl Terrace and Indiana Ave.

Del., Newark—Women's Dormitory—Delaware College plans 4-story, 30 x 48 ft. About $75,000. S. Mitchell, pres. Day & Klauder, archts., 925 Chestnut St., Phila., soon receive bids.

Va., Lynchburg—Y. M. C. A., Lynchburg had plans prepared. About $75,000.

Va., Petersburg — Theater and Store — Century Amusement Co., Center Sq., plans, 1-story. About $50,000. Walter Sachs, pres. C. K. Bryant, Craig & Isbell, Lehigh Bldg., archts.

W. Va., West Liberty—Dormitory—State Bd. Control, Charleston, soon receives bids, 56.10 x 181.10 ft., brick, and 2 porches. F. F. Faris, Schmulbach Bldg., Wheeling, archt.

Fla., Vero—Clubhouse—G. H. Burrows Development Co. plans 5 or 6-story, clubhouse and beach resort. About $1,000,000. G. H. Burrows, 526 Guardian Bldg., mgr. Howell & Thomas, 2032 Euclid Ave., archts., both of Cleveland.

La., Merryville—High School—Bd. Educ. plans $75,000 bond issue for high school.

Ky., Covington—School—City plans election Nov. 6 to vote on $250,000 bond issue for completing school. Address J. J. Craig, mayor.

Ky., Dawson Springs—Hotel—Karlsbad Hotel Co. of America soon receives bids, 450 x 660 ft. casino, hospital, clubhouse and bath house. About $4,000,000. T. R. Troendle, pres. W. Ahlschlager, 1740-44 Conway Bldg., Chicago., archts.

Ky., Lexington—City Hall, Bd. Comrs. plan large auditorium and city hall. A. Rogers, mayor.

O., Akron—Home—Akron Eagles Lodge, plans 3-story, 66 x 165-ft., Market and Summit St. Abut $150,000. Forest City Engr. Co., 512 Hippodrome Bldg., archts.

O., Cleveland — Church — Fourth Holy Spirit Congregation having plans prepared by Briggs & Nelson, archt., 669 Rose Bldg., brick, East 107th St. About $200,000.

O., Cleveland — Hotel—G. A. Tenbush, Union Bldg., and associates, having plans prepared by H. T. Jeffery, archt., Union Bldg., 12-story brick, Euclid Ave. and 59th St. About $500,000.

O., Cleveland—Office—Physicians & Dentists Co., c/o R. H. Lee, archt., American Trust Bldg., had plans prepared, 16-story, brick and steel. About $1,000,000.

O., Cleveland—Store—Kendal Seed Co., Ontario St., plans 4-story, 40 x 83 ft., 210-16 Prospect Ave. About $50,000. Bonhard & Parsons, 1900 Euclid Ave., archts.

O., East Cleveland—(Cleveland P. O.)—Hospital—Hospital Comrs. plan, 4-story, brick, rein.-con. and steel. About $200,000. W. Hirsh, 1303 Swetland Bldg., Cleveland, archt.

O., Lima—Office—Lima Steel Castings Co., South Shawnee St., plans.

O., Zanesville — City Hall and Market house—City Council plans $100,000 bond issue to build.

Mich., Pontiac—Church—First Presbyterian Congregation soon lets contract, 1-story, 75 x 132-ft. About $50,000. C. S. Griese, 6408 Euclid Ave., Cleveland, archt.

Ill., Chicago—Church and Chapel—Grace Episcopal Congregation plans to build. About $200,000. Rev. W. O. Waters, 2001 Prairie Ave., pastor. Lowe & Bollenbacher, archts., 14 East Jackson St., soon receives bids.

Ill., Chicago—Hotel—Kercher Hotel and Bath Co. had plans prepared, 10-story, 80 x 170 ft. J. Kirchner, 505 South Wabash Ave., pres. W. Ahlschlager, archt., 111 West Washington St., soon receives bids. Noted Aug. 2.

Ill., Chicago—Hotel—Winnidemere Hotel East 56th St. and Hyde Park, plans 12-story, 180 x 360-ft. brick, steel and granite addition. About $2,250,000. C. W. George L. Rapp, 69 West Washington St., archts.

Ill., Kewanee—Hospital—Kewanee Pub. Hospital Assn., c/o Mrs. W. F. Jones, 309 Tremont St., having plans prepared by J. G. Beadle, archt., Galesburg, 3-story. About $75,000.

Ia., Boone—School—City voted on $60,000 bond issue for Jordan consolidated school. B. T. Duckworth, secy. bd. educ.

Ia., Chariton—Hospital—Lucas Co. plans election Oct. 15 to vote on $50,000 bond issue for co. hospital. F. M. Wilson, aud.

Ia., Dike — School — City voted $70,000 bond issue to build school. J. J. Schultz, secy bd. educ.

Ia., Earling—Church—St. Josephs Congregation plans 1-story, 80 x 140 ft. About $60,000. Rev. J. Stwiger, Earling, pastor. A. Dohman, 1st Natl. Bank Bldg., Milwaukee, archt.

Ia., Iowa City—Hospital—State University of Iowa plans hospital for cripples. About $150,000. J. M. Fisk, supt. bldgs. Proudfoot, Bird & Rawson, 810 Hubbell Bldg., Des Moines, archts.

Ia., Jordan — High School — Bd. Educ. plans twp. high school. About $60,000.

Ia., Mingo—School—Bd. Educ. plans 2-story, 60 x 90 ft. About $50,000. S. M. Berkley, secy. Proudfoot, Bird & Rawson, Hubbell Bldg., Des Moines, archts.

Ia., Sioux City—Auto Sales — Lessnick Estate, care of Beuttler & Arnold, archts., 609-10 Security Bldg., had plans prepared, 3-story. About $50,000.

Minn., Duluth—High School—Bd. Educ. to sell $150,000 bonds Aug. 24, for central high school. C. A. Bronson, clk. bd. educ.

Kan., Pittsburg — High School — City plans election soon to vote on $200,000 bond issue for high school. W. B. Ittner, Bd. Educ. Bldg., St. Louis, archt.

Kan., Pittsburgh—Normal School—State plans 3-story, 100 x 100 ft. About $200,000. T. A. Kimball, Topeka, mgr. bd. administration. C. H. Chandler, State House, Topeka, archt.

Neb., Lincoln—Office—Rudge & Gunzel Co., 11th and O Sts., plans 7-story, 57 x 100 ft., N St.

Neb., Omaha—Nebraska Telephone Co., 18th and Douglas Sts., will issue $500,000 new stock, also construct new building. About $350,000.

Neb., Omaha — Comfort Station — City Comrs. plan $50,000 bond issue to build. T. J. O'Connor, city clk.

Neb., Omaha — Police Station — City Comrs plan $100,000 bond issue to build. T. J. O'Connor, city clk.

Neb., Scottsbluff—Station—Chicago, Burlington & Quincy R.R. had plans prepared, 42 x 125-ft. station and 24 x 47 ft. general waiting room. About $85,000.

Mont., Bozeman—Junior High School—Bd. Educ. Dist. No. 7, had plans prepared, 2-story, 60 x 100-ft. About $95,000. F. F. Willson, archt.

Mo., St. Louis—Theatre and Store—Consolidated Theatres Co., Holland Bldg., had plans prepared, 2-story, 70 x 146 ft. About $75,000. W. Goldman, pres.

Tex., Denton—Normal School—Bd. Regents having plans prepared by C. H. Page & Bros., archts., Austin Natl. Bank Bldg., Austin, North Texas State Normal School. About $85,000.

Tex., San Marcos—Normal School—Bd. Regents having plans prepared, Southwest Texas State Normal School, by C. H. Page & Bros., archts., Austin Natl. Bank Bldg., Austin. About $85,000.

Colo., Denver—Museum—City plans wing addition to Colorado Museum, City Park. About $50,000.

Wash., Orting—Hospital—Soldiers' Home plans 2-story and wing here. About $50,000. Andrew Willatzen, Boston Blk., Seattle, archt.

BIDS DESIRED

Mass., Athol—Church—Until Aug. 28, by Athol Methodist Episcopalean Church Society, 1-story, 84 x 90 ft. About $70,000. E. T. Chapin, State Mutual Bldg., Worcester, archt.

N. Y., Albany—(Official)—Laboratory—Until Sept. 7, by H. M. Biggs, M.D., comr. state health dept.; advertised in this issue.

N. Y., Rochester—Junior High School—Until Aug. 31, by Bd. Educ. for 3-story, 226 x 234-ft. rein.-con. Gordon & Madden and W. G. Kaebler, 300 Sibley Block, archts. Noted July 26.

N. J., Englewood—High School — Until Sept. 5, by Bd. Educ., Englewood Ave., Guilbert & Butelle, 665 Broad St., Newark, archts.

O., Kent—Grade and High School—Until Sept. 5, by F. Bechtie, clk. bd. educ., Main St., Franklin Twp., 2-story. About $100,000. Mills & Millspaugh Co., 67 East Long St., Columbus, archts.

Mich., Detroit—School—Until Sept. 4 by Bd. Educ., Wayne Co., Springwells Twp. E. C. Van Leyen and E. A. Schilling, 1115-21 Union Trust Bldg., archt.

Minn., Faribault—School—Until Aug. 28, by State, 2-story, 50 x 170-ft. custodial cottage at School for Feeble-minded. About $75,000. C. H. Johnston, 715 Capital Natl. Bank Bldg., St. Paul, archt. Noted July 19.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Vt., Randolph—Hotel—A. E. Chandler let contract 2- and 5-story, brick, terra cotta block to Foundation Co., Woolworth Bldg., New York City. Percentage basis. Noted May 3.

★N. Y., Albany—Store and Office—James L. Holland, 225 West 78th St., let contract, 4-story, 50 x 80 ft., and 4-story, 42 x 70 ft. brick addition, at James and Steuben Sts., to A. Panzieri & Co., 105 Hudson Ave. About $75,000.

★N. Y., New York—Office—Furness, Withy & Co., Ltd., let contract, 8-story, 55 x 72 ft., brick, to John T. Brady & Co., 103 Park Ave. About $200,000.

★N. Y., Poughkeepsie—Store and Office—Morgan House Corp. let contract, 3-story, 61 x 132-ft. brick and stone, northwest corner Catherine and Main Sts. to Kingston & Campbell, 1 Washington St., $100,000.

★N. Y., Rochester—School No. 16—Bd. Educ. let contract, 1-story, 120 x 128-ft. addition, to J. H. Schoenheit, 1132 Granite Bldg. About $52,836.

★N. Y., South Nyack—(Nyack P. O.)—Clubhouse—Nyack Club, New York City, let contract, 4-story, 58 x 100 ft. to N. W. & H. DeBaum, 28 Jackson Ave., Nyack.

★O., Canton—Church—St. Charalampos Greek Orthodox Congregation, Massillon, let contract to T. D. Casselman, Canton. About $75,000.

★O., St. Paris—High School—Bd. Educ. let contract to E. E. Beckett, Columbus. About $75,000. Noted July 26.

★Ind., Evansville — (Official) — Junior High School—Bd. Educ. let contract, 2-story, 85 x 300 ft. to M. J. Hoffman Constr. Co., Rookery Bldg. Noted Aug. 9.

★Mich., Vassar — School — Bd. Educ. let contract, rebuilding 3-story, 70 x 148-ft. to M. B. Hungerford, Lakeview. About $55,000. Noted Aug. 9.

★Wis., Ashland—Hospital—Ashland General Hospital, care of A. T. Pray, let contract 3-story, 42 x 100-ft. to Pugh & Rundlett. About $65,000. Noted June 7.

★Wis., Kenosha—Hotel—Maxine Carlton Hotel Co., Pub. Service Bldg., let contract, 8-story, 60 x 125-ft. rein.-con. to George W. Stiles Constr. Co., 11 South Lasalle St., Chicago. About $200,000. Noted May 3.

Buildings (Continued)

★**Wis., Ladysmith**—Convent and Hospital—Mantelate Sisters of St. Marys let contract 3-story, 50 x 120 ft. and 2-story, 50 x 90 ft. respectively, to Hans P. Knudson, Waupaca. About $175,000. Noted July 12.

★**Minn., Warroad** — High School — Bd. Educ. let contract 58 x 64 ft. to Laurence Constr. Co. About $60,000. Noted May 31.

★**Kan., Great Bend**—Court House—Barton Co. let contract 4-story, 102 x 124-ft. rein.-con., to Manhattan Constr. Co., 3rd and Fondulac Sts., Muskogee, Okla. About $250,000. Noted July 19.

★**Cal., San Francisco**—Bank and Office—Amer. Natl. Bank let contract, 10-story, Montgomery and California Sts., to P. J. Walker Co., Monadnock Bldg. About $600,000.

★**Que., Maisonneuve** — School — Roman Catholic School Comrs., 87 Catherine St., N., let contract to J. A. Durocher, 201 Chambly St. About $175,000.

★**Ont., London**—Office—Utilities Bd. let contracts hydro office, brick, to J. W. Carwise, 74 Wharncliffe Rd., rein.-con. to Bains & Peckover, 95 Esplanade, Toronto. About $100,000.

★**B. C., Vancouver** — Exchange — B. C. Telephone Co. let contract to Adkinson & Dill, Wellington Blk., $90,000.

FEDERAL GOVERNMENT WORK

Proposed Work

N. Y., Iona Island—Buildings—Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., plans to build 2 temporary buildings. About $60,000.

Pa., Dubois—Post Office—Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., rejected bids opened Aug. 9. Noted June 28.

Pa., Ft. Mifflin—Chief Gunners' Quarters—Bureau of Yards and Docks, Navy Dept., Wash., rejected bids opened Aug. 13. Noted Aug. 2.

Wash., D. C.—Buildings—Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., plans to build 5 temporary buildings at Lake Denmark. About $150,000.

BIDS DESIRED

Wash., D. C.—Storehouse—Until Aug. 27 by Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., for storehouse at Hampton Roads.

Va., Norfolk — Tank and Tower — Until Aug. 27 by Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., furnishing and installing 150,000 gal. elevated steel tank and tower.

Ky., Glasgow—Post Office—Until Sept. 26 by J. A. Wetmore, superv. archt., treas. dept., Wash.

Ind., Kendallville — Post Office — Until Sept. 21 by J. A. Wetmore, superv. archt., treas. dept., Wash.

Mich., Detroit—Air Compressors—Until Aug. 27 by Light House Inspector, furnishing 2 oil engine-driven air compressors for Sand Hills Light and Fog Signal Station.

N. M., Raton—Building—Until Sept. 12 by J. A. Wetmore, superv. archt., treas. dept., Wash., for public building.

Cal., Mare Island—(Vallejo P.O.)—Electric Traveling Cranes—Until Aug. 28 by Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., furnishing electric traveling cranes for extension to machine shop.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Boston—Locomotive and Crane Shed—Bureau Yards and Docks, Navy Dept., Wash., received low bids (work complete), from Howard Bros., 412 Dorchester St., South Boston, $27,753; C. M. Leach, Boston, $29,983.

★**N. Y., New York**—Embarkation Camp—N. B. Baker, secy. War, let contract, near New York City to McArthur Bros., New York, cost plus percentage.

★**Md., Annapolis** — Temporary Officers' Quarters—Bureau of Yards and Docks, Navy Dept., Wash., let contract to J. H. Miller, Eutaw and Franklin Sts., Baltimore, cost plus percentage basis.

Wash., D. C.—Radio Receivers—Supply Officer, Navy Dept., received low bids furnishing 150 long wave radio receivers, from Marconi Wireless Telegraph Co., of America, 233 Bway., New York City, $63,750; Natl. Electrical Supply Co., 1330 New York Ave., $71,250; De Forest Radio Telephone and Telegraph Co., $93,000.

Wash., D. C.—Portable Wave Meters—Supply Officer, Navy Yard received low bids furnishing 500 meters from Marconi Wireless Telegraph Co. of America, 233 Broadway, New York City, $93,925; Wireless Improv. Co., 81 New St., New York City, $99,500; Natl. Electrical Supply Co., Wash., D. C., $110,000.

★**Va., Newport News** — Embarkment Camp—B. N. Baker, secy. War, let contract near Newport News to Westinghouse Church Kerr Co., 37 Wall St., New York City, cost plus percentage.

★**S. C., Charleston**—Storehouse—Bureau of Yards and Docks, Navy Dept., Wash., let contract to Feeney & Sheehan Bldg. Co., State House, Albany, $210,415, time 400 days. Noted Aug. 16.

Ga., West Point—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., received low bids from W. J. Brent, 506 Bd. Trade Bldg., Norfolk, $42,819; W. P. Francis, 83 Mariette St., Atlanta, $49,950; W. H. Fissell & Co., 1328 Bway., New York City, $59,000. Noted July 12.

Ky., Lancaster—Post Office—J. A. Wetmore, superv. archt., received low bids (a) wood column, (b) steel column, as follows: A. W. Lane, 19 South La Salle St. (a) $27,764, (b) $28,496; F. A. Steininger Constr. Co., Victoria Bldg., St. Louis, (a) $30,988, (b) $31,478; H. G. Mitchell, Scottsburg, Ind., (a) $31,853, (b) $32,278. Noted Aug. 2.

Ariz., Globe—Post Office—Court House—J. A. Wetmore, superv. archt., treas. dept., Wash., received low bid from C. E. Goodhand, Wahoo, $105,000. Noted July 5.

Wash., Puget Sound—(Bremerton P. O.)—Storehouse—Bureau Yards and Docks, Navy Dept., Wash., received low bids (a) net price, (b) omission 9th story, from A. W. Quist Co., New Times Bldg., Seattle, (a) $505,211, (b) $32,110; Sound Constr. Co., 72 Union St., Seattle, (a) $506,000, (b) $28,308; H. Peterson, Seattle, (a) $507,124, (b) $24,454. Noted July 12.

★**Wash., Puget Sound**—2 Steel Watertanks and Towers—Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., let contract to Omaha Structural Steel Works, 48th and Leavenworth Sts., Omaha, $16,150.

★**Cal., San Pedro**—Temporary Submarine Base—Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., let contract to Regan & McLinn and T. L. Baker, 271 East Ave. 52, both of Los Angeles.

MISCELLANEOUS

Proposed Work

Wharf—Mass., Wareham—City rejected bids. New bids soon. About $13,000.

Creek Improvements—Binghamton, N. Y.—Council voted to issue $25,000 bonds to improve creeks. J. A. Gibel, city engr.

Garbage Disposal Plant—Flushing, N. Y. Bureau of St. Cleaning having plans prepared for new plant on 31st Ave. About $100,000. H. Liebau, Post Office Bldg., Jamaica, archt.

Towers — Newark, N. J. — Butterworth-Judson Co., Ave. R, will build brick, steel and concrete condensing towers, 22 x 33-ft. and 12 x 33-ft. About $65,000.

Incinerating Plant—Trenton, N. J.—City Comn. plans addition. About $55,000. G. B. La Barre, dir. pub. safety. J. R. Fell, Jr., city engr.

Track Elevation—Tullytown, Pa.—Pennsylvania R.R. plans to elevate tracks over Chestland, Fallsington and Oxford Aves. A. C. Shand, Broad St. Sta., Phila., ch. engr.

Wharves, etc.—Savannah, Ga.—Atlantic Coast Line plans to spend about $50,000 or $75,000 to improve wharves, docks and freight houses. J. E. Willoughby, Wilmington, ch. engr.

Harbor Improvements—Mobile, Ala.—Citizens voted $600,000 bonds for harbor improvements at Arlington site. Project includes pier 8000 ft. long. W. Smith, city engr. Noted Aug. 9.

Sea Wall — Detroit, Mich. — (Official) — Dept. Pub. Wks. soon receives bids repairing concrete and timber sea wall, 24th St. About $15,000. C. W. Hubbell, city engr.

River Improvement—Kansas City, Mo.—Bd. Pub. Wks. approved ordinance, improving, widening, dredging and damming the Blue River and building a levee. About $100,000 is available.

Parks and Playgrounds—St. Louis, Mo.—City election Nov. 6 to vote on $2,750,000 bonds for parks and playgrounds. E. H. Kinsey, pres. bd. pub. ser.

Incinerator—St. Louis, Mo.—City election Nov. 6 to vote on $250,000 bonds for garbage incinerator. Noted May 10.

Park Improvements—Beaumont, Tex.—City voted $100,000 bonds to improve parks. J. G. Sutton, clk. Noted July 5.

Levees—Blythe, Cal.—Palo Verde Joint Levee Dist. and Mutual Water Co. plans $500,000 bond issue plus sum sufficient to acquire levees, to construct levees and drain lowlands. C. Allison, engr.

BIDS DESIRED

Pumping Machinery—Brockton, Mass.—Until Sept. 6, by Sewerage Comrs., City Hall; advertised in this issue.

Shaft—N. Y., New York—Until Sept. 5, by Pub. Ser. Comn., 120 Bway., building shaft No. 2, Route No. 26, part of Queensboro Subway Rapid Transit Ry.

Levee Work—New Orleans, La.—(Official)—Until Sept. 4, by Bd. Levee Comrs. of Orleans Levee Dist., Suite 201, New Court House Bldg., for about 165,000 cu.yd. earthwork, length 7700 lin.ft., and removal and reseting 7700 lin.ft. wooden revetment, Lower Beka New Levee, 5th Dist., west bank Mississippi River.

Dam—San Diego, Cal.—(Official)—Until Sept. 4, by City Clk. A. H. Wright, constructing lower Otay Dam, independent spillway and outlet tower with connections involving 30,000 cu.yd. excava., 75,000 cu. yd. concrete, 20,000 cu.yd. mass rock and 1500 lin.ft. of hole for grouting foundations, 6000 cu.yd. excava., 2000 cu.yd. concrete and 750 cu.yd. rein.-con. Noted May 17.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Tide Gate, etc.—New Haven, Conn.**—City let contract tide gate with spillways and river walls at Mill River on North State St. to C. W. Blakeslee & Sons, 58 Waverly St., $74,000. Noted July 26.

Timber Bulkhead—Albany, N. Y.—(Official)—L. W. Stotesbury, adjutant gen. let contract to A. M. Hazell, Inc., 26 Cortlandt St., New York City, $40,835. Noted Aug. 9.

★**Station Finish—Brooklyn, N. Y.**—(Official)—Pub. Ser. Comn., 120 Bway., New York City, let contract station finish for part of Culver Rapid Transit R.R. to Morthenson Woodworking Co., Inc., 65th St. and 3rd Ave.

★**Retaining Wall—Allenport, Pa.**—Pittsburgh Steel Products Co. let contract concrete retaining wall along river front between here and Stockdale to F. M. Wichert & Co., Hartje Bldg., Pittsburgh. About $100,000.

★**Spillway—Hillsboro, Ill.**—Bd. Local Improv. let contract to Koler & Sell, Pana.

★**Causeway—Galveston, Tex.**—Galveston Co. let contract rebuilding to Larkin & Sanhster, Morgan Bldg., Buffalo, N. Y., $550,000.

★**Wharf—Houston, Tex.**—City let contract, rein.-con., foot of Main St., to Horton & Horton, McKinney and Velasco Sts. About $47,000. Noted July 26.

Lumber to the extent of twenty-five million feet of lumber and timber are wanted in France at an early date it is reported, for the use of the American expedtionary forces. This will supply some of the needs of the troops for forest products until the American forest engineer regiments reach France and begin cutting. It is reported that 10,000,000 ft. of lumber and timber should be delivered in France by Sept. 1, 8,000,000 ft. by Oct. 1, and 5,000,000 ft. additional by Nov. 1. All this is said to be in addition to the 4,000,000 ft. of dock timber and lumber for which the engineer corps of the army opened bids July 21. The material wanted for use in France is described by lumbermen as square and sound. It is needed for wharves and docks, railroads, bridgework and terminal construction. It is said that it may all be bought within a hundred miles of the seacoast in order to insure prompt delivery. Samuel M. Felton, president of the Chicago & Alton R.R., who is in charge of arrangements for the ten or twelve regiments of railroad engineers for service in France is much interested in the plans for buying American timber and lumber for use in France.

PUMPING STATION, NEWARK, N. J.

Bids were received by Passaic Valley Sewerage Commissioners for foundations and connections for Wallington pumping station, from (A) Carrington Constr. Co., River Rd., Passaic; (B) L. L. Brown, Inc., 30 Church St., New York City; (C) Linde & Griffith Co., 4th Ave., Newark; (D) Clup Co., Inc., East 43rd St., Paterson, $151,336. The unit bids of the 3 lowest bidders were as follows:

	A	B	C
Earth excavation and refilling, in trench, for 54-inc. concrete sewer and for 36-inch concrete sewer (lump sum)	$4,500 00	$3,600 00	$3,350 00
Earth excavation for foundations for pumping station, coal house, suction sewer, etc., save those included under item 1 (lump sum)	27,500 00	116,00 00	40,950 00
50 cu.yd. rock excavation, in open excavations	5 00	5 00	3 00
500 cu.yd. concrete masonry, class A, 1:2:4, with Portland cement	11 00	16 50	9 00
3800 cu.yd. concrete masonry, class B, 1:2½:5, with Portland cement	8 50	11 25	8 50
30 cu.yd. brick masonry with Portland cement mortar	24 00	27 00	25 00
1500 long tons rip rap, in place	3 25	4 60	2 50
Cast iron pipes and specials, 36 in., with 4—36-in. gate vaves, 1—36-in. Venturi meter, wall castings, etc., complete in place (lump sum)	9,400 00	12,030 00	11,900 00
12,000 lin.ft. timber piles, for support of masonry structures, in place	0 45	0 50	0 40
260,000 lb. steel for reinforcement, floor frames, etc., in place	0 07	0 085	0 075
800 sq.yd. broken stone road surfacing, complete	1 40	1 80	1 50
Ventilating ducts and surface drains complete (lump sum)	950 00	1,070 00	920 00
Tide gates, for openings 48 x 48 in., one set of two gates, complete and in place (lump sum)	800 00	1,100 00	950 00
150 sq.yd. cobble stone gutters, complete	2 50	1 60	2 00
2000 cu.yd. earth filling for grading about pumping station	1 10	0 50	0 50
Timber bulkhead, complete and in place (lump sum)	10,400 00	10,910 00	11,450 00
Extended totals	$124,490 00	$134,650 00	$137,770 00

PUMPING STATION—NEWARK, N. J.

Bids were received by Passaic Valley Sewerage Commissioners for foundations and connections for Yantacaw pumping station, from (A) J. F. Shanley Co., 31 Clinton St., Newark; (B) L. L. Brown Co., 30 Church St., New York City; (C) O'Gara Constr. Co., 127 Frelinghuysen Ave., Newark; (D) Harrison & Daly, New York City, $113,352; (E) Cadmus Constr. Co., Inc., 120 Liberty St., New York City, $126,475. The unit bids of the 3 lowest bidders were as follows:

	A	B	C
460 lin.ft. earth excavation and refilling, in trench, for 24-in. concrete sewer	$40 00	$45 00	$37 00
Earth excavation for foundations for pumping station, suction sewer, etc., save those included under item 1 (lump sum)	22,000 00	16,500 00	31,000 00
50 cu.yd. rock excavation, in open excavations	6 00	4 50	5 00
250 cu.yd. concrete masonry, class A, 1:2:4, with Portland cement	13 50	17 90	13 00
1350 cu.yd. concrete masonry, class B, 1:2½:5, with Portland cement	10 00	9 25	11 00
30 cu.yd. brick masonry with Portland cement mortar	30 00	22 80	30 00
2500 long tons rip rap, in place	4 50	4 95	3 00
18 in. c.i. pipes ands pecials, 4—18-in. valves, 1—24-in. chuck valve, 1—18-in. Venturi meter, etc (lump sum)	4,500 00	3,540 00	3,000 00
20,000 lin.ft. timber piles, in place	0 65	0 66	0 60
70,000 lb. steel for reinforcement, floor frames, etc., in place	0 075	0 114	0 07
300 sq.yd. broken stone road surfacing, complete	1 50	1 55	2 50
Ventilating ducts and drains, complete (lump sum)	550 00	545 00	500 00
Tide gates, for openings, 30 x 30 in., one set of two gates, complete and in place (lump sum)	200 00	738 00	800 00
Extended totals	$93,675 00	$93,915 00	$96,720 00

FLOOD-PREVENTION PROJECT, LEBANON, PENN.

Bids were received by the Mayor and Council for flood-prevention work (Contract No. 2), from (A) Mangan, Pugh & Dolan, Gregory Bldg., Pottsville; (B) Frank Cannon, 522 Tilghman St., Allentown; (C) Ensign & Co., Hbg. Bk. Bl., Harrisburg. The unit bids were as follows:

	(A)	(B)	(C)
Pumpin g(lump sum)	$2,560 00	$9,000 00	$2,000 00
13,000 cu.yd. trench excv. earth	1 50	1 40	1 50
1,800 cu.yd. trench excv. rock	4 00	3 00	3 18
10,000 cu.yd. backfill	.40	.60	.37
1,200 cu.yd. channel excav. A	1 75	3 00	1 91
650 cu.yd. channel excav. B	2 00	4 50	2 12
2,200 cu.yd. channel excav. C	1 25	1 80	1 59
24,000 lb. reinforcement	.10	.09	.09
200 lb. structural steel	.10	.10	.13
200 lb. iron castings	.05	.10	.16
10 cu.yd. 1st class concrete	15 00	13 50	16 96
650 cu.yd. 2nd class concrete	13 50	13 00	12 90
80 cu.yd. 3rd class concrete	11 00	8 50	11 66
1,600 lin.ft. 6-in. vitrified pipe	.25	.35	.65
1,000 lin.ft. 8-in. vitrified pipe	.40	.50	1 00
50 lin.ft. 10-in. vitrified pipe	.57	.75	1 00
460 lin.ft. 12-in. vitrified pipe	.72	90	1 10
550 lin.ft. 15-in. vitrified pipe	.94	1 20	1 40
50 lin.ft. 18-in. vitrified pipe	1 27	1 75	1 50
460 lin.ft. laying 24-in. concrete pipe	.64	.57	1 50
460 lin.ft. laying 27-in. concrete pipe	.70	.62	1 50
220 lin.ft. laying 30-in. concrete pipe	.80	.68	1 60
710 lin.ft. laying 33-in. concrete pipe	.86	.75	2 10
1,042 lin.ft. laying 36-in. concrete pipe	1 02	.81	2 10
3,035 lin.ft. laying 39-in. concrete pipe	1 04	.87	2 10
1,290 lin.ft. laying 42-in. concrete pipe	1 09	93	2 10
1,350 lin.ft. laying 45-in. concrete pipe	1 15	1 00	3 00
3 each manholes "A"	50 00	50 00	95 40
8 each, manholes "B"	45 00	45 00	50 10
26 each, catch basins	100 00	60 00	84 80
2 each, curb inlets	35 00	40 00	63 60
13 each, corner inlets	30 00	50 00	63 60
2 each, alley inlets	150 00	80 00	53 00
9 each, sanitary manholes	75 00	60 00	42 40
6 each, flush tanks	25 00	90 00	318 00
15 each, lamp-holes	8 00	20 00	12 72
100 sq.yd. street crossings	50	3 00	2 65
100 sq.yd. repair bitulithic	3 00	5 00	2 65
120 sq.yd. repair wood block	3 50	3 00	3 71
1,000 lin.ft. relaying house conn	15	.40	.16
Totals	$67,641 04	$75,977 67	$79,349 50

BUILDING OPERATIONS FOR JULY.

Following is a list of contracts awarded, published by the F. W. Dodge Co. for New England, New York, New Jersey, Pennsylvania, Maryland, Delaware, District of Columbia, Virginia, Ohio, West Virginia, Illinois, Indiana, Iowa, Wisconsin, Michigan, Minnesota, North and South Dakota, and portions of Missouri and Eastern Kansas from January 1 to August 1.

January 1 to August 1, 1917	$990,602,000
January 1 to August 1, 1916	711,005,246
January 1 to August 1, 1915	508,233,600
January 1 to August 1, 1914	454,579,300
January 1 to August 1, 1913	545,067,500
January 1 to August 1, 1912	482,577,500
January 1 to August 1, 1911	477,227,313
January 1 to August 1, 1910	526,425,460

NEW YORK AND NORTHERN NEW JERSEY

January 1 to August 1, 1917	$186,830,000
January 1 to August 1, 1916	104,137,500
January 1 to August 1, 1915	87,661,000
January 1 to August 1, 1914	76,413,500
January 1 to August 1, 1913	181,254,500
January 1 to August 1, 1912	146,625,500
January 1 to August 1 1911	143,380,500
January 1 to August 1, 1910	165,524,500

Contracts for the larger territories covered for July amounted to $159,200,000 against $206,541,000 for June and $157,563,000 for May. For the smaller territory of New York and Northern New Jersey contracts for July amounted to $31,549,000 against $27,387,000 for June, and $32,419,000 for May. This shows very little change for the past three months.

STATE APPROPRIATION FOR COUNTY ROAD WORK IN WEST VIRGINIA

Following is a list of the counties and their apportionment of the $435,860 which is available as given out by the state roads commission for the construction and maintenance of class A roads.

County	Mileage	Apportionment
Barbour	85	$8,075 00
Berkeley	69	6,555 00
Boone	94	8,930 00
Braxton	84	7,980 00
Brooke	32	3,040 00
Cabell	65	6,175 00
Calhoun	62	5,890 00
Clay	82	7,790 00
Doddridge	57	5,415 00
Fayette	85	8,075 00
Gilmer	74	7,030 00
Grant	80	7,600 00
Greenbrier	120	11,400 00
Hampshire	115	10,925 00
Hancock	45	4,275 00
Hardy	75	7,125 00
Harrison	110	10,450 00
Jackson	107	10,165 00
Jefferson	60	5,700 00
Kanawha	128	12,160 00
Lewis	73	6,935 00
Lincoln	104	9,880 00
Logan	83	7,885 00
Marion	69	6,555 00
Marshall	89	8,455 00
Mason	87	8,265 00
Mercer	96	9,120 00
Mineral	85	8,075 00
Mingo	85	8,075 00
Monongalia	97	9,215 00
Monroe	75	7,125 00
Morgan	70	6,650 00
McDowell	85	8,075 00
Nicholas	92	8,740 00
Ohio	42	3,990 00
Pendleton	95	9,025 00
Pleasants	42	3,990 00
Pocahontas	127	12,065 00
Preston	112	10,640 00
Putnam	75	7,125 00
Raleigh	83	7,885 00
Randolph	125	11,875 00
Ritchie	113	10,735 00
Roane	85	8,075 00
Summers	71	6,745 00
Taylor	49	4,655 00
Tucker	77	7,315 00
Tyler	70	6,650 00
Upshur	50	4,750 00
Wayne	94	8,930 00
Webster	100	9,500 00
Wetzel	91	8,645 00
Wirt	58	5,510 00
Wood	109	10,355 00
Wyoming	98	9,310 00

An Indication of the speed with which materials are being moved is contained in a report from the cantonment at Louisville, Ky. Administration buildings there were built from lumber cut in a Mississippi pine forest the week before. The trees were felled on Saturday, kiln-dried on Sunday, loaded on freight cars on Monday, and delivered at the Louisville site on Wednesday morning. An army of energetic carpenters completed the transformation from forest to Government building just one week from the day the trees had been felled.

SEARCHLIGHT SECTION

Contracts To Be Let

PROPOSALS

Bids received until Sept. 4, 1917.

Duboistown Bridge

Duboistown, Pa.

Sealed proposals for the construction of a reinforced concrete bridge over the West Branch of the Susquehanna River between the foot of Arch Street in West Williamsport and the foot of what will be High Street in the Borough of Duboistown, Pennsylvania, will be received by the Board of Commissioners of Lycoming County, Pennsylvania, at the office of their Chief Clerk, until 12 o'clock, noon, on September 4th, 1917. At the same place, the proposals will be publicly opened at 2 o'clock P. M.

The bridge as contemplated, will be about 1500 feet long and will consist of thirteen (13) open spandrel arches, of ninety-eight (98) feet clear span.

Prospective bidders may secure copies of the plans and specifications, including form of proposals, from L. O. Bower, Chief Clerk of the County Commissioners, at his office in the Court House, Williamsport, Pennsylvania, by making a deposit of twenty-five ($25.00) dollars, which sum will be refunded to all bidders upon return of plans and specifications in good order, and to all other contractors returning same before date on which bids are received.

A certified check for the sum of ten thousand ($10,000.00) dollars payable to H. B. Achenbach, Treasurer of Lycoming County, must accompany each proposal, both of which must be enclosed in a sealed envelope and marked, "Proposal for the Construction of the Duboistown Bridge" and must be delivered to L. O. Bower, Chief Clerk, County Commissioners' Office, Court House, Williamsport, Pennsylvania.

The right is reserved by the Commissioners to reject any and all bids, or to accept any bid they may deem to the best interests of the County.

Attest:

L. O. BOWER, Chief Clerk.
CHARLES W. MYERS,
JOSEPH H. NICELY,
JOHN G. DURRWACHTER,
County Commissioners.

M. C. KRAUSE, Engineer,
335 Pine Street, Williamsport, Pa.

Bids received until September 4, 1917.

Sewer Construction

Highland Park, N. J.

Sealed bids for the construction of sewers will be received by the Council of the Borough of Highland Park, N. J., at a meeting to be held at the School House, corner Second Ave. and Benner St. in said borough, September 4, 1917, at 8 P. M.

Proposals must be on blanks to be furnished by John T. Hopkins, Borough Engineer, No. 51 Paterson St., New Brunswick, N. J., from whom specifications and full particulars may be procured.

Council reserves the right to reject any or all bids. ROBERT B. CRAIG,
Borough Clerk.

PROPOSALS FOR BACK FILLING.—U. S. Engineer Office, Detroit, Mich.—Sealed proposals for backfilling walls of Fourth lock, St. Marys Falls Canal, Michigan, will be received here until 11 a.m. Eastern time, September 4, 1917, and then opened. Information on application.

Official Proposals

Price, $3.60 an inch—Copy can be received until Wednesday, 10 a. m. for issue mailed the next day

PROPOSALS

Bids received until September 4, 1917.

State Highway Work

PENNSYLVANIA STATE HIGHWAY DEPARTMENT,
Harrisburg, Pa.

Sealed proposals will be received at said office until 10 a. m., September 4, 1917, when bids will be publicly opened and scheduled, and contracts awarded as soon thereafter as possible for the reconstruction of 6513 linear feet of Vitrified Block Pavement, 16 feet wide, situated in Washington Township, Fayette County, Route No. 247; 1,270 linear feet of Vitrified Block Pavement, 26 feet wide, situated in Swatara Township, Dauphin County, State-aid Application No. 570; 13,007 linear feet of Vitrified Block Pavement, 16 feet wide, situated in Manor Township, Armstrong County, State-aid Application No. 397; 5,800 linear feet of Vitrified Block Pavement, 16 feet wide, situated in Clinton Township, Butler County, Bureau of Township Highways Authorization No. 319; 6,537 linear feet of reinforced Concrete Pavement, 16 feet wide, situated in Foster Township, McKean County, Route No. 96; 6,537 linear feet of Reinforced Concrete Pavement, 16 feet wide, situated in Moreland and Abington Townships, Montgomery County, State-aid Application No. 648; 9,878 linear feet of Vitrified Block Pavement, 16 feet wide, situated in East Taylor Township, 11,070 linear feet of Vitrified Block Pavement, 16 feet wide, situated in Jackson and East Taylor Townships, and 11,975 linear feet of Vitrified Block Pavement, 16 feet wide, situated in Jackson Township, all in Cambria County, Route No. 52; 16,852 linear feet of Vitrified Block and Reinforced Concrete Pavement, 16 feet wide, situated in South Fayette Township, Allegheny County, Route No. 108; 19,318 linear feet of Vitrified Block and Reinforced Concrete Pavement, 16 feet wide, situated in Cecil and North Strabane Townships, Washington County, Route No. 108; 5,900 linear feet of Reinforced Concrete and Vitrified Block Pavement, 16 feet wide, situated in East Bethlehem Township, Washington County, Route No. 268; 11,857 linear feet of Reinforced Concrete Pavement, 16 feet to 20½ feet wide, situated in Hanover Township, Lehigh County, Route No. 159, and 7,821 linear feet of Bituminous Pavement, 18 feet wide, situated in South Abington Township, Lackawanna County, Route No. 9; also, for the grading and drainage of 9,299 linear feet of roadbed, 24 feet to 26 feet in width, situated in Moon and Hopewell Townships, Beaver County, State-aid Applications Nos. 254 and 294. Plans and specifications may be seen at office of State Highway Department, Harrisburg, 1001 Chestnut Street, Philadelphia, and 904 Hartje Building, Pittsburgh, Pa. Full particulars and information on application to Frank B. Black, State Highway Commissioner.

PROPOSALS

Bids received until September 12, 1917.

Centrifugal Pumping Unit

Kansas City, Mo.

SEALED PROPOSALS will be received by the Purchasing Agent of Kansas City, Missouri, at the office of the Purchasing Agent, Second Floor City Hall, until two o'clock p. m. of September 12, 1917, for the designing, construction, delivery and erection of a steam turbine, reduction gear, centrifugal pumping unit of a capacity to pump continuously twenty (20) million U. S. gallons of water per twenty-four (24) hours, against a total combined head of three hundred and seventy (370) feet and a steam pressure of one hundred and sixty-five (165) pounds per square inch at throttle; together with all machinery, tools and appurtenances necessary; all in accordance with the plans and general specifications on file in the office of the Chief Engineer of the Water Department.

Each bidder shall deposit with the City Comptroller a certified check in the amount of Fifteen Hundred Dollars ($1500.00), payable to the City Comptroller of Kansas City, Missouri, and accompany his bid with the Comptroller's receipt therefor.

The certified check referred to in the Advertisment shall be submitted by each bidder as a guaranty that the bidder will, within ten (10) days after receiving the award of a contract, file with the City a satisfactory bond to the amount of Fifty Thousand Dollars ($50,000.00) and will execute the contract.

The Board of Fire and Water Commissioners does not bind itself to accept the lowest or any bid offered, and reserves the right to reject any and all bids and to waive any irregularity or informality in the bids.

(Signed) W. C. WEAVER,
Purchasing Agent.
BURTON LOWTHER,
Chief Engineer and Superintendent.

Bids received until August 28, 1917.

Concrete Bridge

Channahon, Will County, Illinois.

Bids for construction of concrete pier and abutment, 250 cu. yds., straightening and erecting 83 foot truss span, placing wood floor on 83 foot span, and for 2500 cu. yds. of roadway embankment, will be received at Capitol Building, Springfield, Illinois, by the Department of Public Works and Buildings, State of Illinois, Division of Waterways, up to 12 o'clock noon of August 28, 1917, and will be opened at 2 o'clock P. M., of that date. Certified check for $500 will be required to accompany bids.

Plans and specifications can be seen at the office of the Department of Public Works and Buildings, State of Illinois, Capitol Building, Springfield, Illinois, or 905-130 North Fifth Avenue, Chicago; also at the Illinois and Michigan Canal office, Lockport, Illinois.

The department reserves the right to reject any or all bids.

DEPARTMENT OF PUBLIC WORKS AND BUILDINGS.
LESLIE D PUTERBAUGH,
Director
WILLIAM L. SACKETT,
Superintendent of Waterways.